

## Solenoid valves VUVS/Valve manifold assembly VTUS

**FESTO**



Festo Core Range  
Solves the majority of your automation tasks

With the Festo Core Range, we have selected the most important products and functions from our broad product catalogue, and added the quickest delivery.

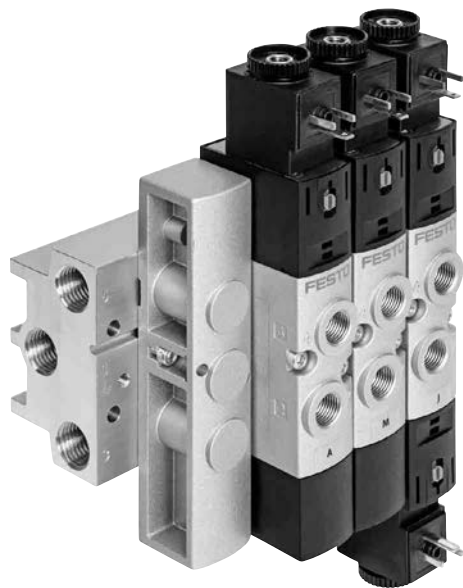
The Core Range offers you the best value for your automation tasks.

Worldwide:  
Simply good:  
Fast:

Quickest delivery – wherever, whenever  
Expected high Festo quality  
Easy and fast to select

Just look  
for the  
star!

Key features



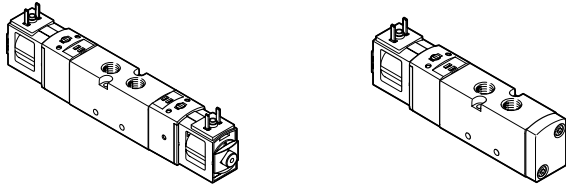
| Innovative                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Flexible                                                                                                                                                                                                                                                                                             | Reliable                                                                                                                                                             | Easy to install                                                                                                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• A reliable, robust valve with a long service life</li><li>• Design principle:<ul style="list-style-type: none"><li>– Piston spool with sealing ring (VUVS-LK)</li><li>– Poppet seat, soft-sealing (VUVS-LT)</li><li>– Piston spool with sealing cartridge (VUVS-L)</li></ul></li><li>• Flow rate up to 1800 l/min with VUVS-LK and VUVS-LT</li><li>• Flow rate up to 2300 l/min with VUVS-L</li><li>• Wide range of valve functions</li></ul> | <ul style="list-style-type: none"><li>• Operating voltage can be easily altered by changing the solenoid coil (VUVS-L and VUVS-LT)</li><li>• In-line valves can be used as individual valves or manifold valves</li><li>• Variable pressure zones</li><li>• Wide range of mounting options</li></ul> | <ul style="list-style-type: none"><li>• Ergonomic and safe operation</li><li>• Reliable servicing thanks to valves that can be replaced quickly and easily</li></ul> | <ul style="list-style-type: none"><li>• Pre-assembled units on rails</li><li>• Individual valves assembled ready for installation</li><li>• Common supply manifolds for mounting on one or both sides</li><li>• Secure mounting on wall or H-rail</li></ul> |

| Ordering data – Product options |                                                                                 |                                                                                |          |         |
|---------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------|----------|---------|
|                                 | Configurable product                                                            | The configurator can be found under                                            | Part no. | Type    |
|                                 | This product and all its product options can be ordered using the configurator. | Products on the DVD or at                                                      | 576516   | VUVS-20 |
|                                 |                                                                                 | → <a href="http://www.festo.com/catalogue/...">www.festo.com/catalogue/...</a> | 8022014  | VUVS-25 |
|                                 |                                                                                 |                                                                                | 8022017  | VUVS-30 |
|                                 |                                                                                 |                                                                                | 577304   | VTUS-20 |
|                                 |                                                                                 |                                                                                | 8022016  | VTUS-25 |
|                                 |                                                                                 |                                                                                | 8022019  | VTUS-30 |

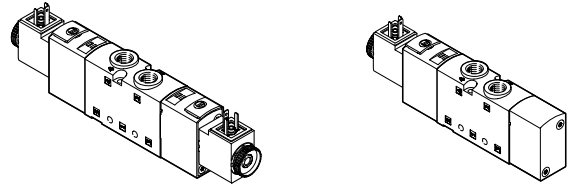
## Key features

### Solenoid valves VUVS

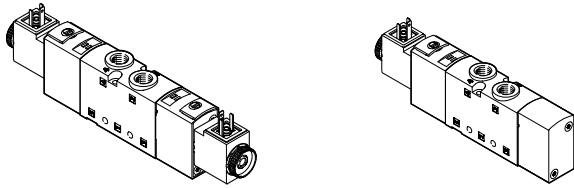
In-line valve VUVS-LK as individual valve (piston spool valve)



In-line valve VUVS-LT as individual valve (poppet seat valve)



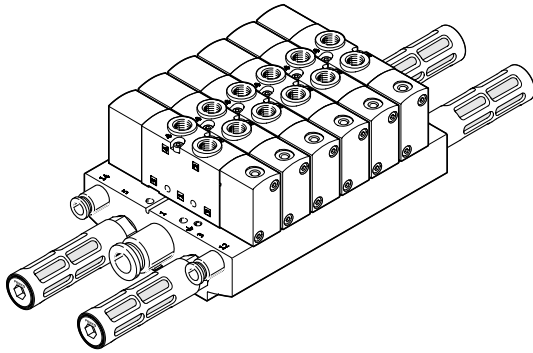
In-line valve VUVS-L as individual valve (piston spool valve)



In-line valves are designed to be used without pneumatic linking. All pneumatic connections are on the valve and can be equipped with fittings/tubing.

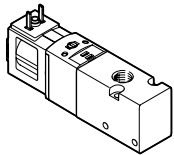
By using a special seal set, the in-line valves can also be mounted on a manifold rail (pneumatic linking) as semi in-line valves.

### Valve manifold assembly VTUS



### Equipment options

VUVS-LK



- 3/2- and 5/2-way valves, with solenoid coil
- Size 20 (21 mm), size 25 (26.5 mm) and size 30 (31 mm)

#### Valve functions

3/2-way valve, normal position open, single solenoid:

- Internal pilot air supply
- Reset via: pneumatic spring
- Flow direction not reversible

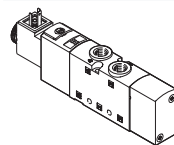
5/2-way single solenoid valve:

- Internal pilot air supply
- Reset via: pneumatic spring
- Flow direction not reversible

5/2-way double solenoid valve:

- Internal pilot air supply
- Flow direction not reversible

Key features

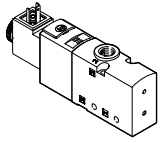
| Equipment options                                                                |                                                                                                                                                                                    | Valve functions                                                                                                                                                     |                                                                                                                                                                     |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <ul style="list-style-type: none"><li>• 3/2-, 2x 3/2- and 5/2-way valves, with or without solenoid coil</li><li>• Size 20 (21 mm), size 25 (26.5 mm) and size 30 (31 mm)</li></ul> | 3/2-way valve, normal position open, single solenoid:                                                                                                               | 2x 3/2-way valve, normal position closed, single solenoid:                                                                                                          |
|                                                                                  |                                                                                                                                                                                    | <ul style="list-style-type: none"><li>• Internal/external pilot air supply</li><li>• Reset via: mechanical spring</li><li>• Flow direction not reversible</li></ul> | <ul style="list-style-type: none"><li>• Internal/external pilot air supply</li><li>• Reset via: mechanical spring</li><li>• Flow direction not reversible</li></ul> |
|                                                                                  |                                                                                                                                                                                    | 3/2-way valve, normal position closed, single solenoid:                                                                                                             | 2x 3/2-way valve, 1x normally open, 1x normally closed, single solenoid:                                                                                            |
|                                                                                  |                                                                                                                                                                                    | <ul style="list-style-type: none"><li>• Internal/external pilot air supply</li><li>• Reset via: mechanical spring</li><li>• Flow direction not reversible</li></ul> | <ul style="list-style-type: none"><li>• Internal/external pilot air supply</li><li>• Reset via: mechanical spring</li><li>• Flow direction not reversible</li></ul> |
|                                                                                  |                                                                                                                                                                                    |                                                                                                                                                                     |                                                                                                                                                                     |
|                                                                                  |                                                                                                                                                                                    | 2x 3/2-way valve, normal position open, single solenoid:                                                                                                            | 5/2-way single solenoid valve:                                                                                                                                      |
|                                                                                  |                                                                                                                                                                                    | <ul style="list-style-type: none"><li>• Internal/external pilot air supply</li><li>• Reset via: mechanical spring</li><li>• Flow direction not reversible</li></ul> | <ul style="list-style-type: none"><li>• Internal/external pilot air supply</li><li>• Reset via: mechanical spring</li><li>• Flow direction not reversible</li></ul> |
|                                                                                  |                                                                                                                                                                                    |                                                                                                                                                                     |                                                                                                                                                                     |
|                                                                                  |                                                                                                                                                                                    |                                                                                                                                                                     | 5/2-way double solenoid valve:                                                                                                                                      |
|                                                                                  | <ul style="list-style-type: none"><li>• Internal/external pilot air supply</li><li>• Flow direction not reversible</li></ul>                                                       |                                                                                                                                                                     |                                                                                                                                                                     |



## Key features

## Equipment options

## VUVS-L



- 3/2-, 5/2- and 5/3-way valves, with or without solenoid coil
- Size 20 (21 mm), size 25 (26.5 mm) and size 30 (31 mm)

## Valve functions

3/2-way valve, normal position open, single solenoid:

- Internal/external pilot air supply
- Reset via pneumatic/mechanical spring
- Flow direction can be reversed in the case of external pilot air supply

3/2-way valve, normal position closed, single solenoid:

- Internal/external pilot air supply
- Reset via pneumatic/mechanical spring
- Flow direction can be reversed in the case of external pilot air supply

5/2-way single solenoid valve:

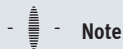
- Internal/external pilot air supply
- Reset via pneumatic/mechanical spring
- Flow direction can be reversed in the case of external pilot air supply

5/2-way double solenoid valve:

- Internal/external pilot air supply
- Flow direction can be reversed in the case of external pilot air supply

5/3-way valve, mid-position exhausted, pressurised or closed:

- Internal/external pilot air supply
- Reset via: mechanical spring
- Flow direction can be reversed in the case of external pilot air supply



## Note

The operating voltage of valves VUVS-L and VUVS-LT can be varied by changing the solenoid coil on the armature tube.

## Key features

- A maximum of 16 valve positions can be configured in the standard version (for VUVS-L variant only)
- A maximum of 12 valve positions can be configured in the compact version (maximum of 10 valve positions for VUVS-LK variant)
- Valve positions 2 ... 10 can be configured in increments of 1, valve positions 10 ... 16 in increments of 2
- Manifold block with a maximum of 10 valve positions
- Extension module with 2 valve positions
- Common supply manifold with a maximum of 10 valve positions
- Creation of pressure zones (maximum 9 pressure zones in the case of a valve manifold assembly with 16 valve positions)

## Design

## Valve replacement

Each valve is attached to the manifold block using two screws. The appropriate seal is mounted on the valve.

This means that the valves can be easily replaced.

## Extension

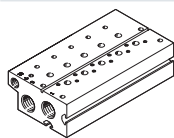
Valve positions covered with cover plates can be replaced with valves at a later date. The dimensions, mounting points and existing pneumatic installation remain unchanged.

Extension modules with two valve positions are available for the standard manifold block. A manifold block can be extended with a maximum of three extension modules.

## Key features

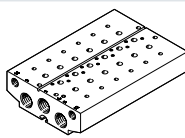
### Standard manifold block

For 3/2-way valves



- Connection  
Size 20: G3/8  
Size 25: G1/2  
Size 30: G3/4
- For valves with external pilot air supply
- Maximum 10 valve positions

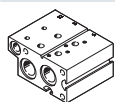
For 5/2- and 5/3-way valves



- Connection  
Size 20: G3/8  
Size 25: G1/2  
Size 30: G3/4
- For valves with external pilot air supply
- Maximum 10 valve positions

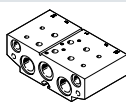
### Manifold block extension module, for standard manifold block

For 3/2-way valves



- Connection  
Size 20: G3/8  
Size 25: G1/2  
Size 30: G3/4
- Maximum two valve positions

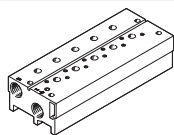
For 5/2- and 5/3-way valves



- Connection  
Size 20: G3/8  
Size 25: G1/2  
Size 30: G3/4
- Maximum two valve positions

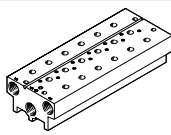
### Compact manifold block

For 3/2-way valves



- Connection  
Size 20: G1/4  
Size 25: G3/8  
Size 30: G1/2
- Maximum 10 valve positions

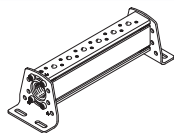
For 5/2- and 5/3-way valves



- Connection  
Size 20: G1/4  
Size 25: G3/8  
Size 30: G1/2
- Maximum 10 valve positions

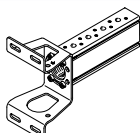
### Common supply manifold

Mounting on both sides



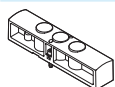
- Connection  
Size 20: G3/8  
Size 25: G1/2  
Size 30: G3/4
- Maximum 10 valve positions

Mounting on one side



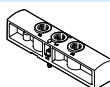
- Connection  
Size 20: G3/8  
Size 25: G1/2  
Size 30: G3/4
- Maximum 4 valve positions

### Cover plate for vacant position



For covering vacant valve positions

### Supply plate



For additional air supply and exhaust via a valve position

### Separator for pressure zones



For creating pressure zones (maximum 9 pressure zones permitted)

### Note

A filter must be installed upstream of valves operated in vacuum mode. This prevents any foreign matter in the intake air getting into the valve (e.g. when operating a suction cup).

## Key features – Pneumatics

## Creating pressure zones and separating exhaust air

Compressed air is supplied and exhausted via the manifold block/common supply manifold and via supply plates.

The position of the supply plates and duct separations can be freely selected with the VTUS.

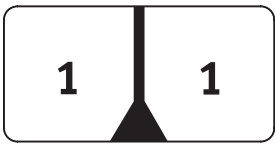
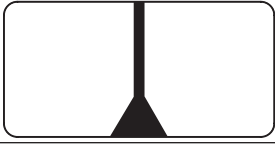
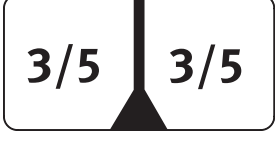
A pressure zone is created by isolating the internal ducts between the valve positions with an appropriate separator.

The separator can be used in the following ducts:

- Duct 1
- Duct 3
- Duct 5

**Note**

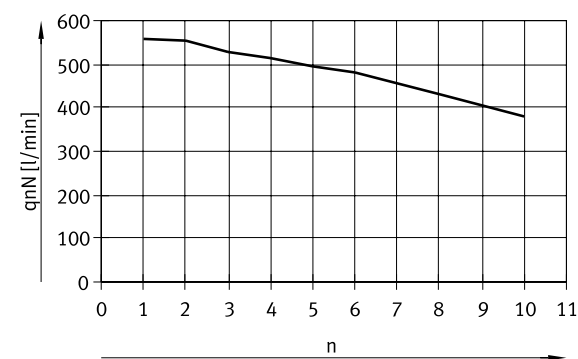
- Use a separator if the exhaust air pressures are high
- Use at least one supply plate/supply for each pressure zone
- Pressure zone separation is not possible in ducts 12 and 14 (pilot air supply)

| Duct separation | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <p>The pressure zones can be freely configured with the VTUS. The following duct separations are possible:</p> <ul style="list-style-type: none"> <li>• Duct 1 closed            </li> <li>• Duct 1/3/5 closed            </li> <li>• Duct 3/5 closed            </li> </ul> |
|                 | <p>The number of pressure zones with the VTUS is limited by the number of valve positions on the manifold block/common supply manifold. Note that each supply plate occupies one valve position. There must always be at least two valve positions between two separators. In the case of a maximum extension of 16 valve positions, a maximum of 9 pressure zones can be created.</p>                                                                                                                                                   |

Key features – Pneumatics, VUVS-LK

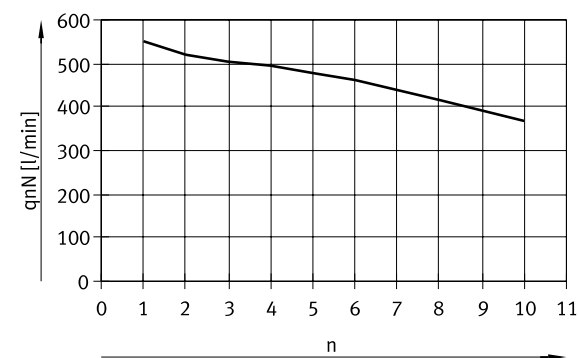
Size 20 – Standard nominal flow rate  $q_{nN}$ , with several valves  $n$  connected in parallel

For 3/2-way valves



Standard nominal flow rate per valve on compact manifold rail

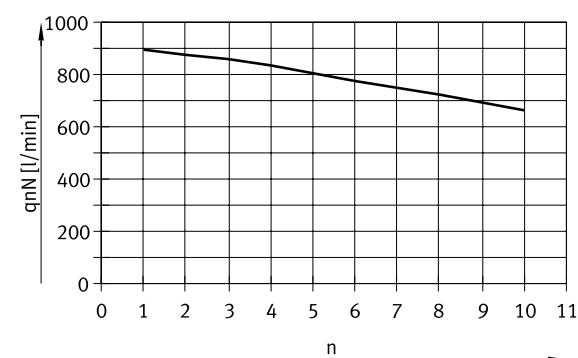
For 5/2-way valves



Standard nominal flow rate per valve on compact manifold rail

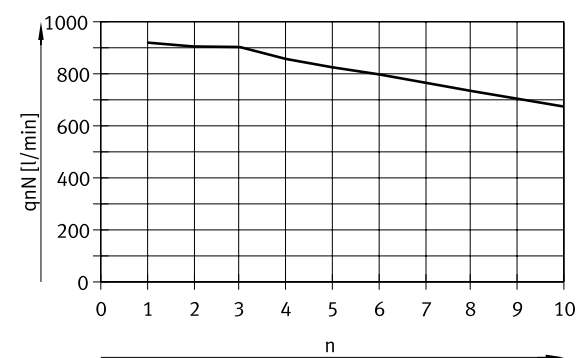
Size 25 – Standard nominal flow rate  $q_{nN}$ , with several valves  $n$  connected in parallel

For 3/2-way valves



Standard nominal flow rate per valve on compact manifold rail

For 5/2-way valves

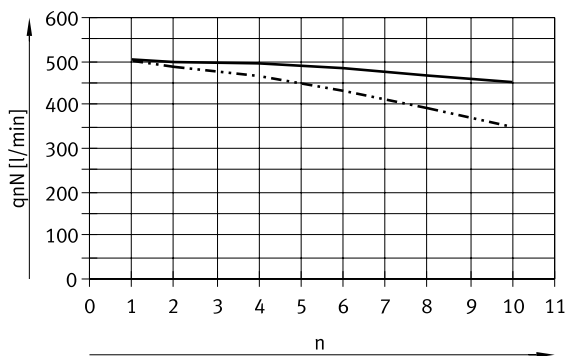


Standard nominal flow rate per valve on compact manifold rail

## Key features – Pneumatics, VUVS-LT

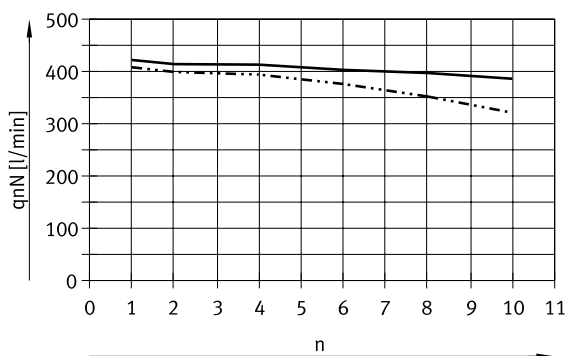
Size 20 – Standard nominal flow rate  $q_{pN}$ , with several valves  $n$  connected in parallel

For 3/2-way valves



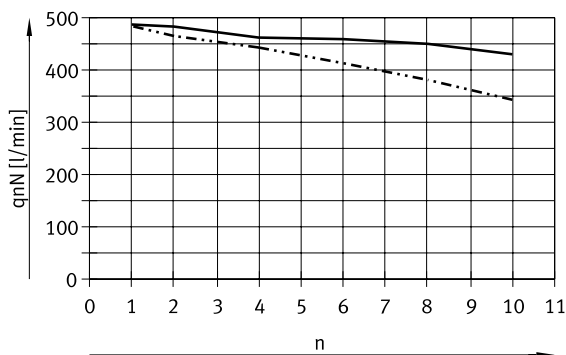
- Standard nominal flow rate per valve on standard manifold rail
- - - Standard nominal flow rate per valve on compact manifold rail

For 5/2-way valves, flow direction 1 → 2



- Standard nominal flow rate per valve on standard manifold rail
- - - Standard nominal flow rate per valve on compact manifold rail

For 5/2-way valves, flow direction 1 → 4



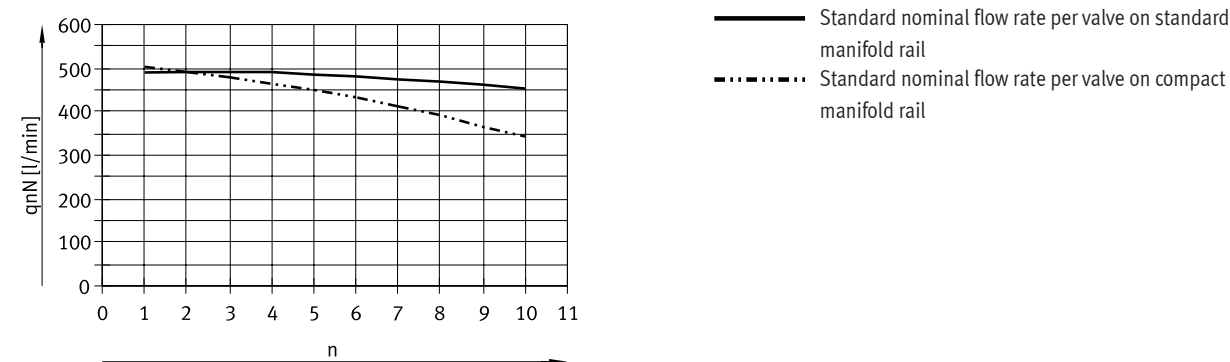
- Standard nominal flow rate per valve on standard manifold rail
- - - Standard nominal flow rate per valve on compact manifold rail

Key features – Pneumatics, VUVS-LT

Size 20 – Standard nominal flow rate  $q_{pN}$ , with several valves  $n$  connected in parallel

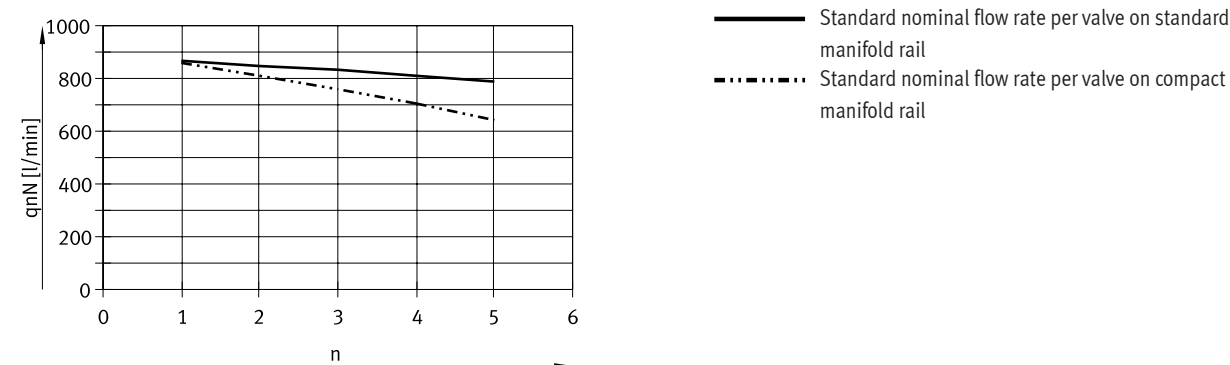
For 2x 3/2-way valves

One valve function per valve position in open switching position



For 2x 3/2-way valves

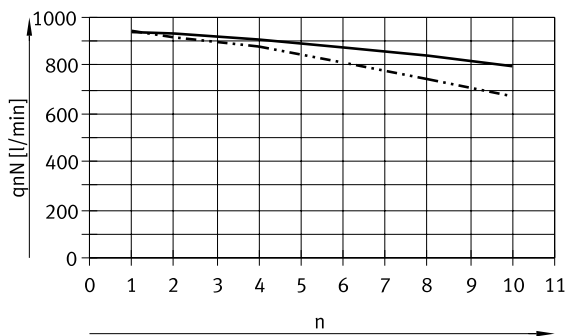
Both valve functions per valve position simultaneously in open switching position



## Key features – Pneumatics, VUVS-LT

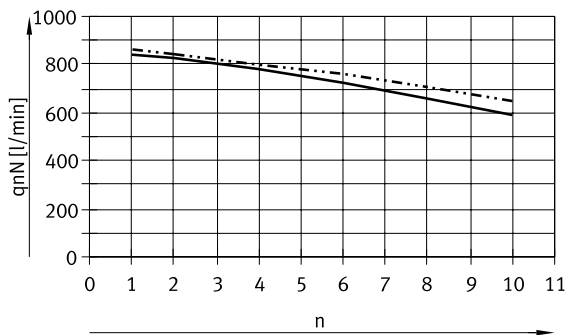
Size 25 – Standard nominal flow rate  $q_{vN}$ , with several valves  $n$  connected in parallel

For 3/2-way valves



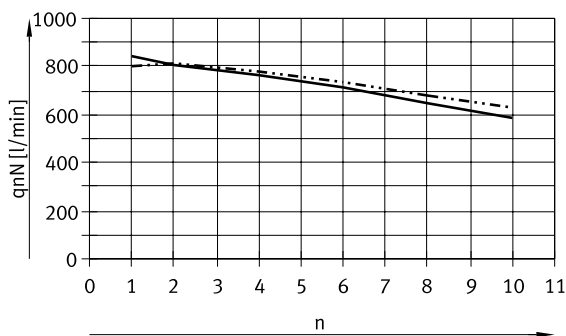
- Standard nominal flow rate per valve on standard manifold rail
- · - · - Standard nominal flow rate per valve on compact manifold rail

For 5/2-way valves, flow direction 1 → 2



- Standard nominal flow rate per valve on standard manifold rail
- · - · - Standard nominal flow rate per valve on compact manifold rail

For 5/2-way valves, flow direction 1 → 4



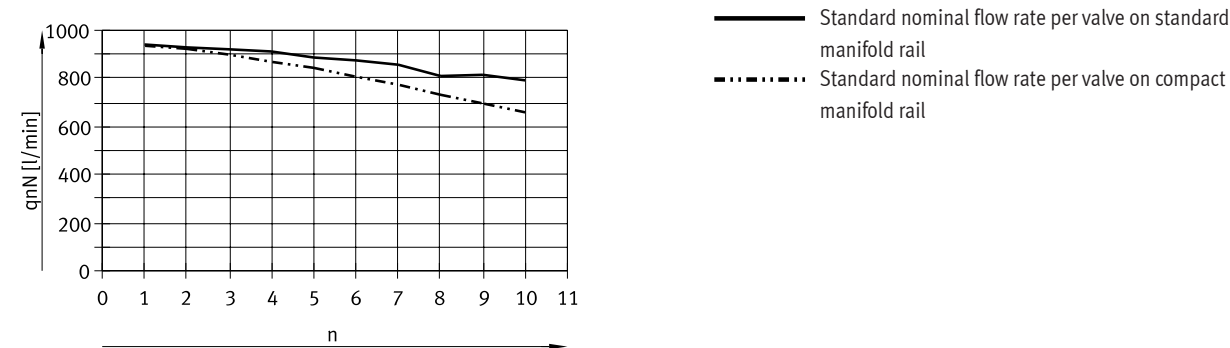
- Standard nominal flow rate per valve on standard manifold rail
- · - · - Standard nominal flow rate per valve on compact manifold rail

Key features – Pneumatics, VUVS-LT

Size 25 – Standard nominal flow rate  $q_{nN}$ , with several valves  $n$  connected in parallel

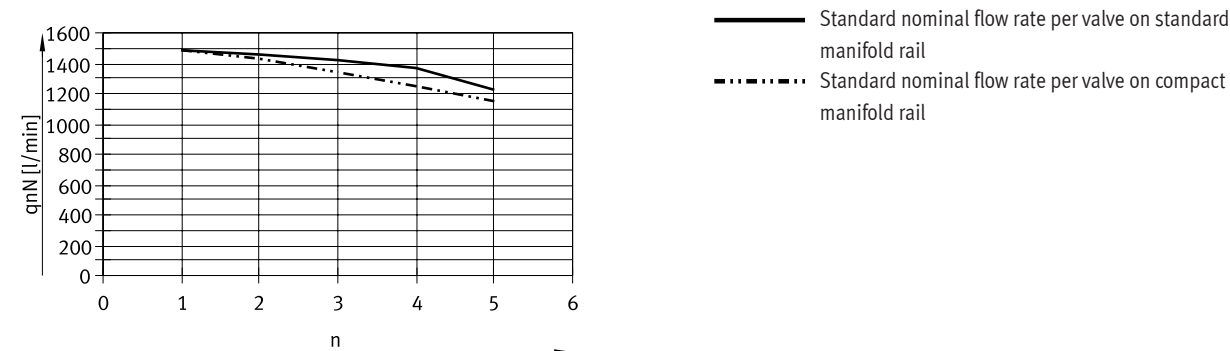
For 2x 3/2-way valves

One valve function per valve position in open switching position



For 2x 3/2-way valves

Both valve functions per valve position simultaneously in open switching position

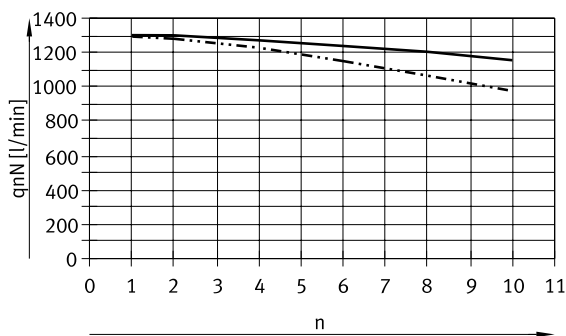




## Key features – Pneumatics, VUVS-LT

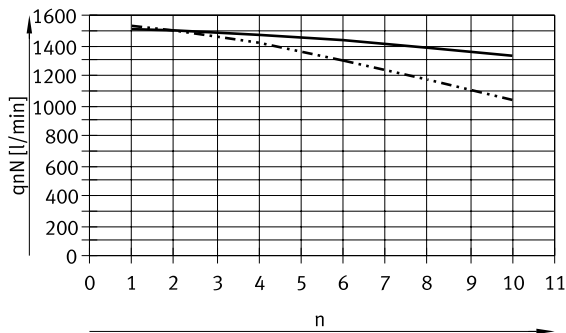
**Size 30 – Standard nominal flow rate  $q_{pN}$ , with several valves  $n$  connected in parallel**

For 3/2-way valves



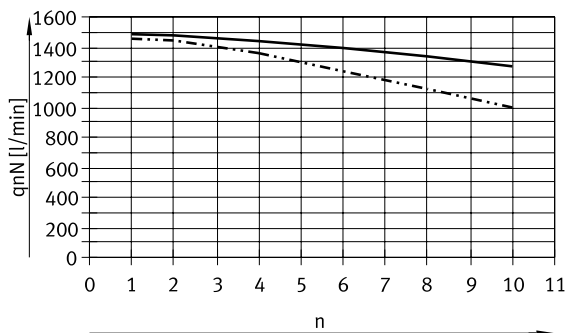
- Standard nominal flow rate per valve on standard manifold rail
- · - · - Standard nominal flow rate per valve on compact manifold rail

For 5/2-way valves, flow direction 1 → 2



- Standard nominal flow rate per valve on standard manifold rail
- · - · - Standard nominal flow rate per valve on compact manifold rail

For 5/2-way valves, flow direction 1 → 4



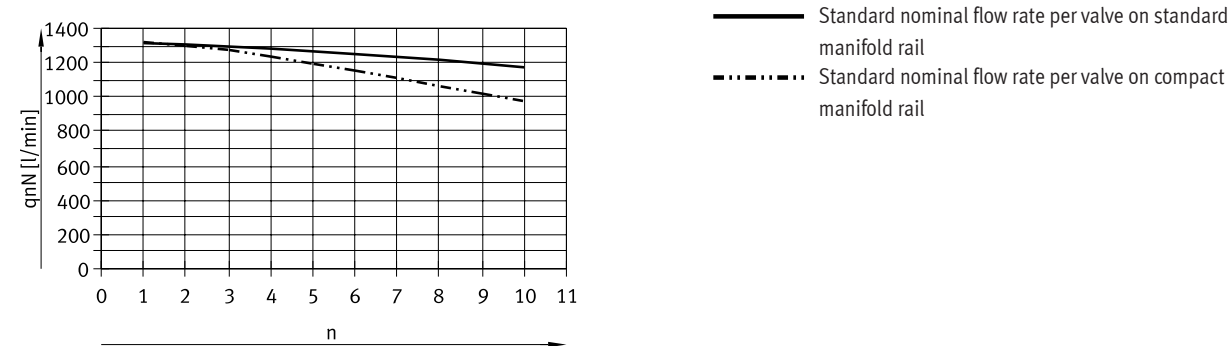
- Standard nominal flow rate per valve on standard manifold rail
- · - · - Standard nominal flow rate per valve on compact manifold rail

Key features – Pneumatics, VUVS-LT

Size 30 – Standard nominal flow rate  $q_{nN}$ , with several valves  $n$  connected in parallel

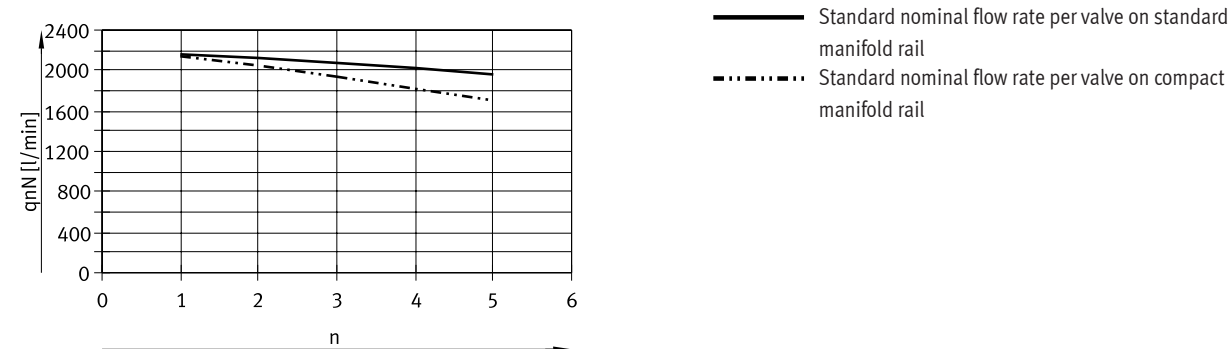
For 2x 3/2-way valves

One valve function per valve position in open switching position



For 2x 3/2-way valves

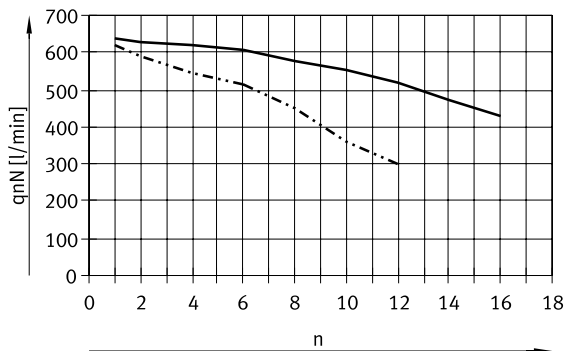
Both valve functions per valve position simultaneously in open switching position



## Key features – Pneumatics, VUVS-L

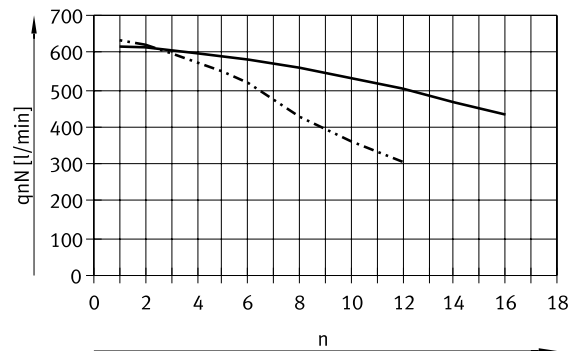
**Size 20 – Standard nominal flow rate  $q_{nN}$ , with several valves  $n$  connected in parallel**

For 3/2-way valves



- Standard nominal flow rate per valve on standard manifold rail
- - - Standard nominal flow rate per valve on compact manifold rail

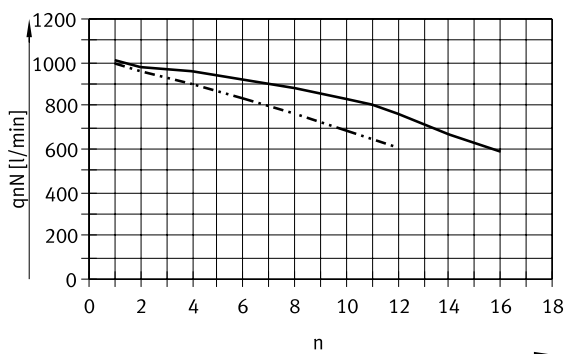
For 5/2- and 5/3-way valves



- Standard nominal flow rate per valve on standard manifold rail
- - - Standard nominal flow rate per valve on compact manifold rail

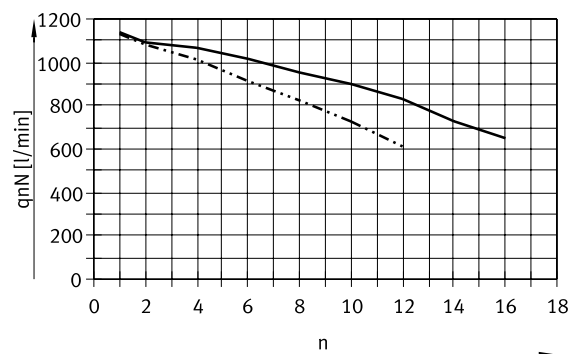
**Size 25 – Standard nominal flow rate  $q_{nN}$ , with several valves  $n$  connected in parallel**

For 3/2-way valves



- Standard nominal flow rate per valve on standard manifold rail
- - - Standard nominal flow rate per valve on compact manifold rail

For 5/2- and 5/3-way valves

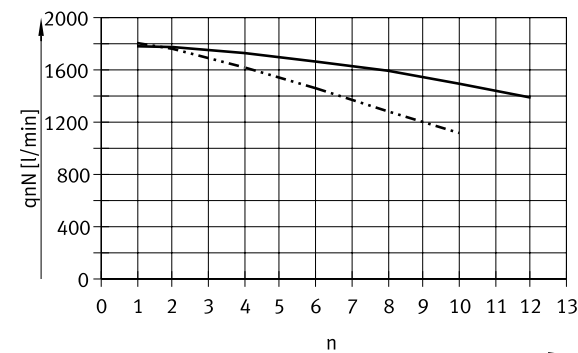


- Standard nominal flow rate per valve on standard manifold rail
- - - Standard nominal flow rate per valve on compact manifold rail

Key features – Pneumatics, VUVS-L

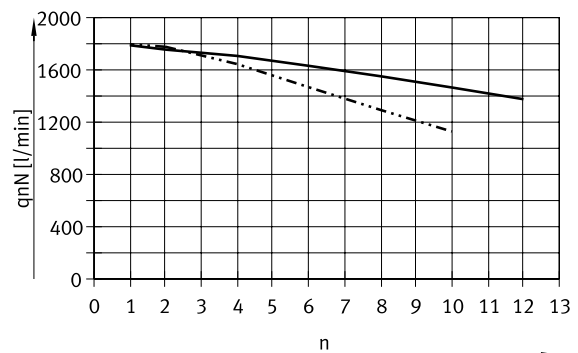
Size 30 – Standard nominal flow rate q<sub>N</sub>, with several valves n connected in parallel

For 3/2-way valves



- Standard nominal flow rate per valve on standard manifold rail
- - - Standard nominal flow rate per valve on compact manifold rail

For 5/2- and 5/3-way valves

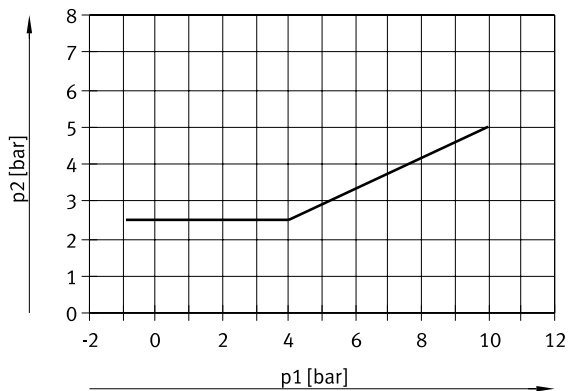


- Standard nominal flow rate per valve on standard manifold rail
- - - Standard nominal flow rate per valve on compact manifold rail

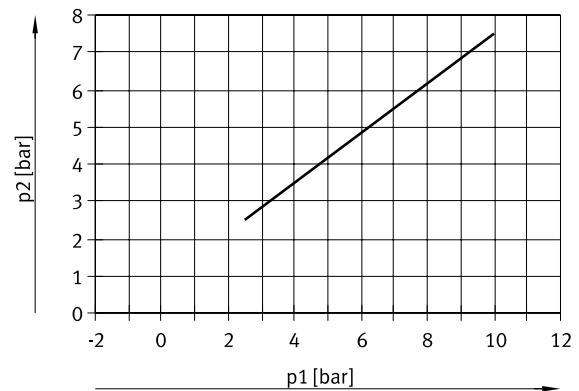
## Key features – Pneumatics, VUVS-LT

Size 20 – Pilot pressure  $p_2$  as a function of working pressure  $p_1$  with external pilot air supply

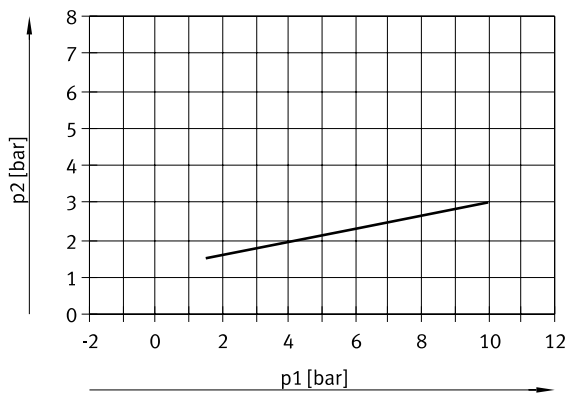
For 3/2-way valves



for 5/2-way single solenoid valves



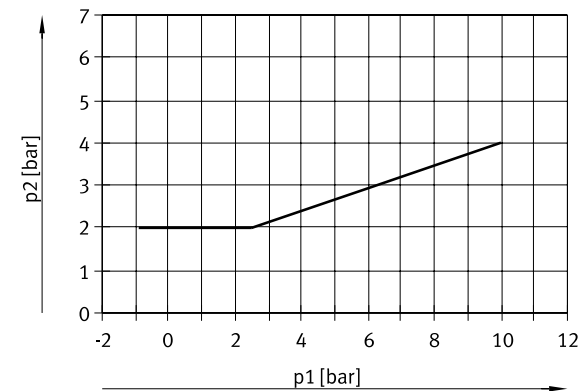
for 5/2-way double solenoid valves



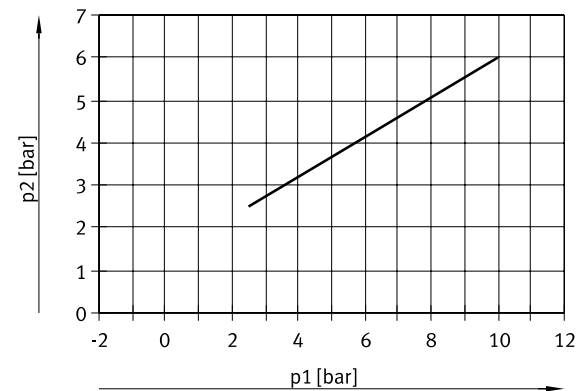
Key features – Pneumatics, VUVS-LT

Size 25 – Pilot pressure  $p_2$  as a function of working pressure  $p_1$  with external pilot air supply

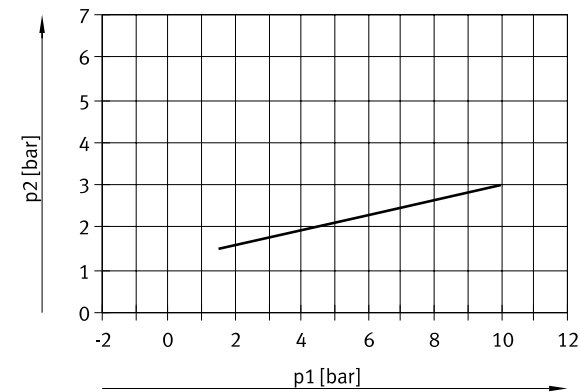
For 3/2-way valves



for 5/2-way single solenoid valves



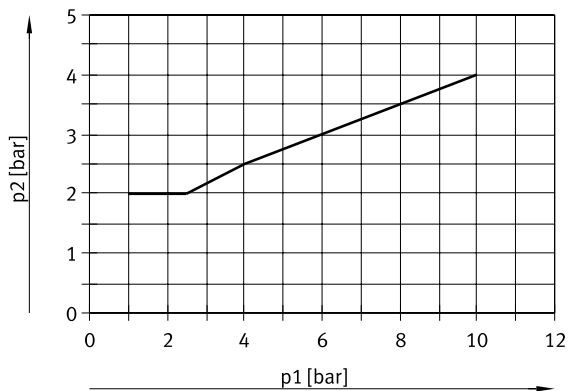
for 5/2-way double solenoid valves



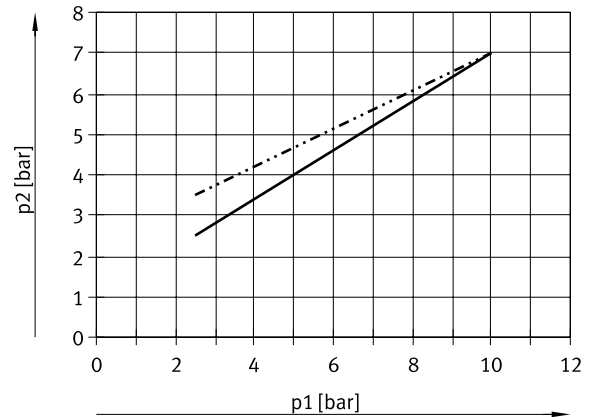
## Key features – Pneumatics, VUVS-LT

Size 30 – Pilot pressure  $p_2$  as a function of working pressure  $p_1$  with external pilot air supply

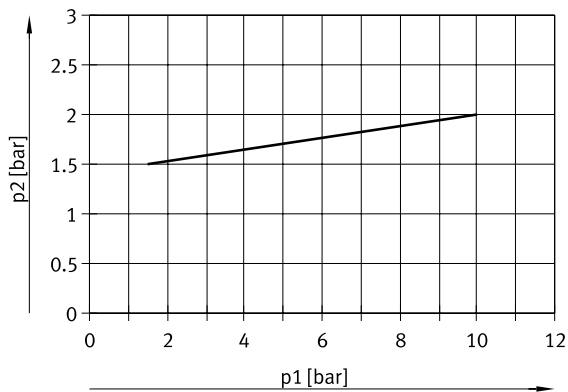
For 3/2-way valves



for 5/2-way single solenoid valves



for 5/2-way double solenoid valves



— VUVS-LT30-M52-MZD (0-60°C)  
 - - - VUVS-LT30-M52-MZD (-10-0°C)

## Key features – Pneumatics

### Mounting – Valve manifold assembly VTUS

Sturdy manifold assembly thanks to:

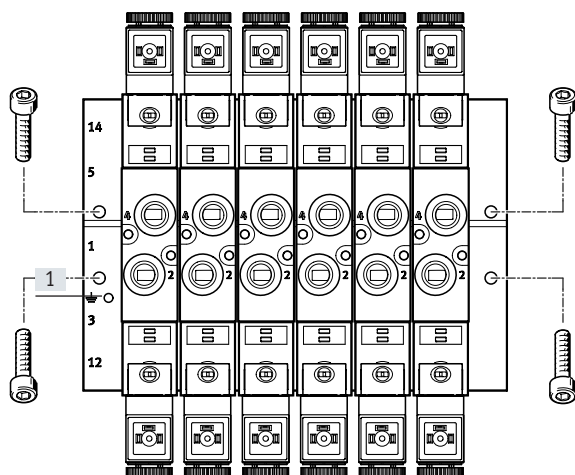
- Four through-holes for wall mounting
- H-rail mounting



#### Note

Use the thread M4/M5 provided on the manifold block for earthing the valve manifold assembly.

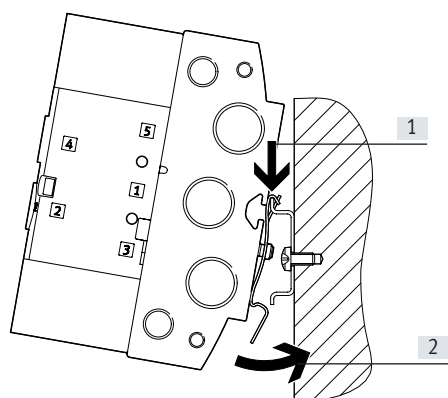
### Wall mounting



Sturdy wall mounting of the manifold block using four through-holes.

[1] Earth terminal

### H-rail mounting



[1] Arrow A

[2] Arrow B

The H-rail mounting VAME-T-M... consists of two mounting clips. These are screwed to the manifold block on the left and right.

The valve manifold assembly VTUS is then lowered onto the H-rail from above (arrow A) and clipped into the H-rail at the bottom (arrow B).



#### Note

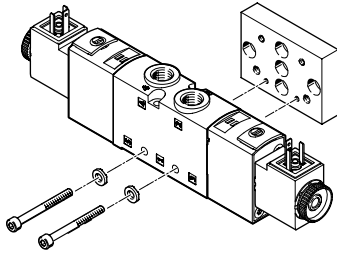
- Note the max. tightening torque of the screws for H-rail mounting
- Only horizontal H-rail mounting is permissible
- Mounting only permissible on H-rail TH 35 to EN 60715
- Vibration/shock loads are not permissible with H-rail mounting
- Further note on assembly  
→ Assembly instructions for H-rail mounting VAME-T-M...



## Key features – Mounting

### Mounting – Individual valve VUVS

#### Wall mounting

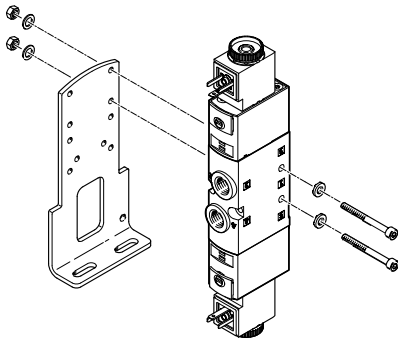


For mounting individual valves on a flat surface, e.g. aluminium profile systems.

The solenoid valves are provided with two through-holes for attaching to the wall mounting VAME-B10-20-W.

The relevant screw set is included when the wall mounting VAME-B10-20-W is ordered.

#### Mounting on a stand

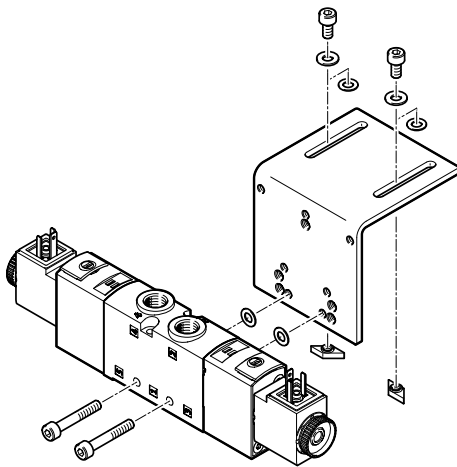


For mounting individual valves on a flat surface, e.g. aluminium profile systems.

The solenoid valves are provided with two through-holes for attaching to the foot mounting VAME-B10-...-A.

The relevant screw set is included when the foot mounting VAME-B10-...-A is ordered.

#### Cylinder mounting

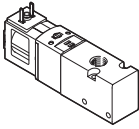
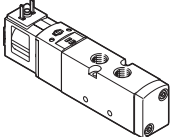
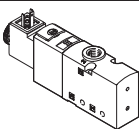
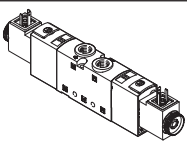
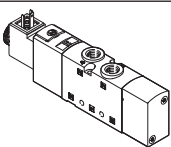


For mounting individual valves directly on a drive.

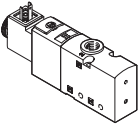
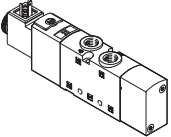
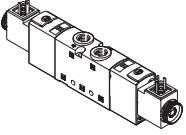
The solenoid valves are provided with two through-holes for attaching to the cylinder mounting DAVM-MW-V1...-V. Mounting is only possible on the side on which the pneumatic connections are located.

The relevant screw set is included when the cylinder mounting DAVM-MW-V1...-V is ordered.

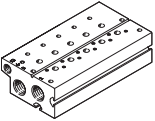
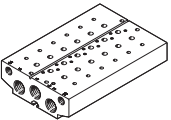
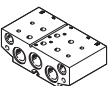
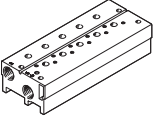
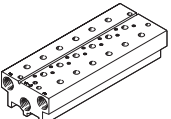
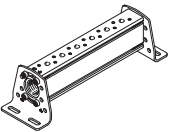
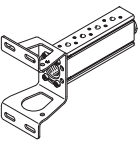
## Product range overview

| Valve                                                                              | Size | Working port | Order code for valves and flow rate [l/min] |           |           |           |           |           |           |      |      |      | → Page/<br>Internet |
|------------------------------------------------------------------------------------|------|--------------|---------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|------|------|------|---------------------|
|                                                                                    |      |              | M32C                                        | M32U      | T32C      | T32U      | T32H      | M52       | B52       | P53C | P53U | P53E |                     |
| 3/2-way valve VUVS-LK                                                              |      |              |                                             |           |           |           |           |           |           |      |      |      |                     |
|    | 20   | G1/8         | ■<br>550                                    | –         | –         | –         | –         | –         | –         | –    | –    | –    | 58                  |
|                                                                                    | 25   | G1/4         | ■<br>1000                                   | –         | –         | –         | –         | –         | –         | –    | –    | –    | 68                  |
|                                                                                    | 30   | G3/8         | ■<br>1600                                   | –         | –         | –         | –         | –         | –         | –    | –    | –    | 78                  |
| 5/2-way valve VUVS-LK                                                              |      |              |                                             |           |           |           |           |           |           |      |      |      |                     |
|    | 20   | G1/8         | –                                           | –         | –         | –         | –         | ■<br>550  | ■<br>550  | –    | –    | –    | 58                  |
|                                                                                    | 25   | G1/4         | –                                           | –         | –         | –         | –         | ■<br>1000 | ■<br>1000 | –    | –    | –    | 68                  |
|                                                                                    | 30   | G3/8         | –                                           | –         | –         | –         | –         | ■<br>1600 | ■<br>1600 | –    | –    | –    | 78                  |
| 3/2-way valve VUVS-LT                                                              |      |              |                                             |           |           |           |           |           |           |      |      |      |                     |
|    | 20   | G1/8         | ■<br>600                                    | ■<br>600  | –         | –         | –         | –         | –         | –    | –    | –    | 88                  |
|                                                                                    | 25   | G1/4         | ■<br>1000                                   | ■<br>1000 | –         | –         | –         | –         | –         | –    | –    | –    | 100                 |
|                                                                                    | 30   | G3/8         | ■<br>1600                                   | ■<br>1600 | –         | –         | –         | –         | –         | –    | –    | –    | 125                 |
| 2x 3/2-way valve VUVS-LT                                                           |      |              |                                             |           |           |           |           |           |           |      |      |      |                     |
|  | 20   | G1/8         | –                                           | –         | ■<br>600  | ■<br>600  | ■<br>600  | –         | –         | –    | –    | –    | 88                  |
|                                                                                    | 25   | G1/4         | –                                           | –         | ■<br>1000 | ■<br>1000 | ■<br>1000 | –         | –         | –    | –    | –    | 100                 |
|                                                                                    | 30   | G3/8         | –                                           | –         | ■<br>1600 | ■<br>1600 | ■<br>1600 | –         | –         | –    | –    | –    | 126                 |
| 5/2-way valve VUVS-LT                                                              |      |              |                                             |           |           |           |           |           |           |      |      |      |                     |
|  | 20   | G1/8         | –                                           | –         | –         | –         | –         | ■<br>500  | ■<br>500  | –    | –    | –    | 88                  |
|                                                                                    | 25   | G1/4         | –                                           | –         | –         | –         | –         | ■<br>1000 | ■<br>1000 | –    | –    | –    | 100                 |
|                                                                                    | 30   | G3/8         | –                                           | –         | –         | –         | –         | ■<br>1800 | ■<br>1800 | –    | –    | –    | 127                 |

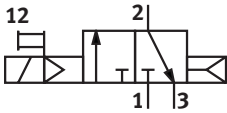
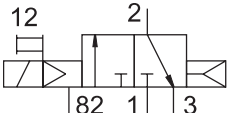
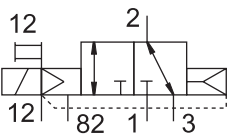
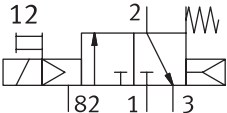
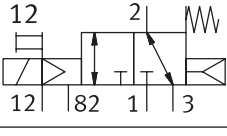
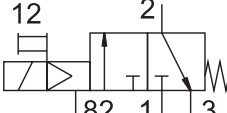
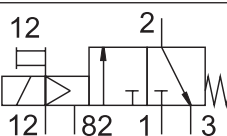
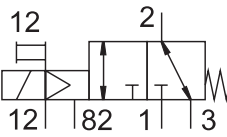
## Product range overview

| Valve                                                                             | Size | Working port | Order code for valves and flow rate [l/min] |           |      |      |      |           |           |           |           |           | → Page/<br>Internet |
|-----------------------------------------------------------------------------------|------|--------------|---------------------------------------------|-----------|------|------|------|-----------|-----------|-----------|-----------|-----------|---------------------|
|                                                                                   |      |              | M32C                                        | M32U      | T32C | T32U | T32H | M52       | B52       | P53C      | P53U      | P53E      |                     |
| 3/2-way valve VUVS-L                                                              |      |              |                                             |           |      |      |      |           |           |           |           |           |                     |
|  | 20   | G1/8         | ■<br>700                                    | ■<br>700  | –    | –    | –    | –         | –         | –         | –         | –         | 132                 |
|                                                                                   | 25   | G1/4         | ■<br>1000                                   | ■<br>1000 | –    | –    | –    | –         | –         | –         | –         | –         | 147                 |
|                                                                                   | 30   | G3/8         | ■<br>2300                                   | ■<br>2300 | –    | –    | –    | –         | –         | –         | –         | –         | 165                 |
| 5/2-way valve VUVS-L                                                              |      |              |                                             |           |      |      |      |           |           |           |           |           |                     |
|  | 20   | G1/8         | –                                           | –         | –    | –    | –    | ■<br>700  | ■<br>700  | –         | –         | –         | 132                 |
|                                                                                   | 25   | G1/4         | –                                           | –         | –    | –    | –    | ■<br>1300 | ■<br>1300 | –         | –         | –         | 147                 |
|                                                                                   | 30   | G3/8         | –                                           | –         | –    | –    | –    | ■<br>2300 | ■<br>2300 | –         | –         | –         | 165                 |
| 5/3-way valve VUVS-L                                                              |      |              |                                             |           |      |      |      |           |           |           |           |           |                     |
|  | 20   | G1/8         | –                                           | –         | –    | –    | –    | –         | –         | ■<br>700  | ■<br>600  | ■<br>600  | 132                 |
|                                                                                   | 25   | G1/4         | –                                           | –         | –    | –    | –    | –         | –         | ■<br>1200 | ■<br>1000 | ■<br>1000 | 147                 |
|                                                                                   | 30   | G3/8         | –                                           | –         | –    | –    | –    | –         | –         | ■<br>2000 | ■<br>1600 | ■<br>1600 | 165                 |

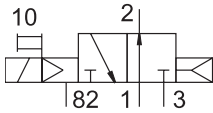
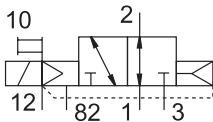
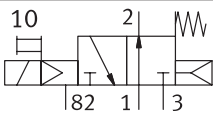
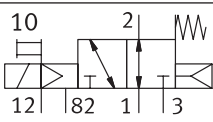
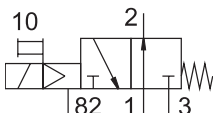
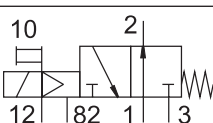
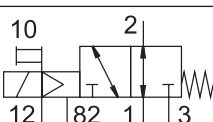
## Product range overview

| Design                                                                             | Size | Description                | → Page/<br>Internet |
|------------------------------------------------------------------------------------|------|----------------------------|---------------------|
| <b>Manifold block for 3/2-way valves, standard</b>                                 |      |                            |                     |
|    | 20   | VABM-B10-20E-G38- ... P3   | Connection G3/8 183 |
|                                                                                    | 25   | VABM-B10-25E-G12- ... P3   | Connection G1/2 196 |
|                                                                                    | 30   | VABM-B10-30E-G34- ... P3   | Connection G3/4 209 |
| <b>Manifold block extension module for 3/2-way valves, standard</b>                |      |                            |                     |
|    | 20   | VABM-B10-20EEE-G38- ... P3 | Connection G3/8 183 |
|                                                                                    | 25   | VABM-B10-25EEE-G12- ... P3 | Connection G1/2 196 |
|                                                                                    | 30   | VABM-B10-30EEE-G34- ... P3 | Connection G3/4 209 |
| <b>Manifold block for 5/2- and 5/3-way valves, standard</b>                        |      |                            |                     |
|    | 20   | VABM-B10-20E-G38- ...      | Connection G3/8 183 |
|                                                                                    | 25   | VABM-B10-25E-G12- ...      | Connection G1/2 196 |
|                                                                                    | 30   | VABM-B10-30E-G34- ...      | Connection G3/4 209 |
| <b>Manifold block extension module for 5/2- and 5/3-way valves, standard</b>       |      |                            |                     |
|    | 20   | VABM-B10-20EEE-G38- ...    | Connection G3/8 183 |
|                                                                                    | 25   | VABM-B10-25EEE-G12- ...    | Connection G1/2 196 |
|                                                                                    | 30   | VABM-B10-30EEE-G34- ...    | Connection G3/4 209 |
| <b>Manifold block for 3/2-way valves, compact</b>                                  |      |                            |                     |
|  | 20   | VABM-B10-20S-G14- ... P3   | Connection G1/4 183 |
|                                                                                    | 25   | VABM-B10-25S-G38- ... P3   | Connection G3/8 196 |
|                                                                                    | 30   | VABM-B10-30S-G12- ... P3   | Connection G1/2 209 |
| <b>Manifold block for 5/2- and 5/3-way valves, compact</b>                         |      |                            |                     |
|  | 20   | VABM-B10-20S-G14- ...      | Connection G1/4 183 |
|                                                                                    | 25   | VABM-B10-25S-G38- ...      | Connection G3/8 196 |
|                                                                                    | 30   | VABM-B10-30S-G12- ...      | Connection G1/2 209 |
| <b>Common supply manifold, for mounting on both sides</b>                          |      |                            |                     |
|  | 20   | VABM-B10-20-G38- ... P53   | Connection G3/8 183 |
|                                                                                    | 25   | VABM-B10-25-G12- ... P53   | Connection G1/2 196 |
|                                                                                    | 30   | VABM-B10-30-G34- ... P53   | Connection G3/4 209 |
| <b>Common supply manifold, for mounting on one side</b>                            |      |                            |                     |
|  | 20   | VABM-B10-20-G38- ... P53-E | Connection G3/8 183 |
|                                                                                    | 25   | VABM-B10-25-G12- ... P53-E | Connection G1/2 196 |
|                                                                                    | 30   | VABM-B10-30-G34- ... P53-E | Connection G3/4 209 |

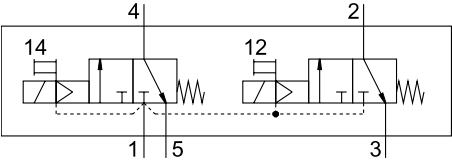
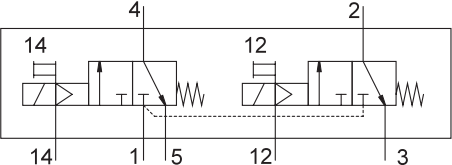
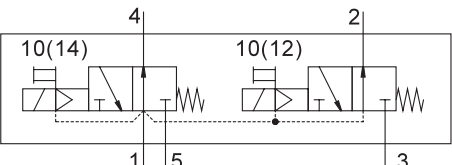
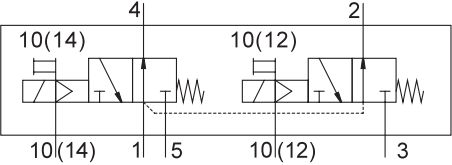
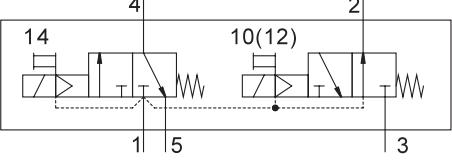
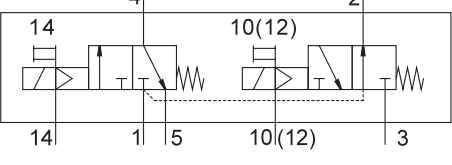
## Overview of valve functions

| Valve                                                                               | Order code for valves | Description                                                                                                                                                              | VUVS-LK |    |    | VUVS-LT |    |    | VUVS-L |    |    |
|-------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----|----|---------|----|----|--------|----|----|
|                                                                                     |                       |                                                                                                                                                                          | Size    |    |    | Size    |    |    | Size   |    |    |
|                                                                                     |                       |                                                                                                                                                                          | 20      | 25 | 30 | 20      | 25 | 30 | 20     | 25 | 30 |
| 3/2-way valve, normally closed, pneumatic spring                                    |                       |                                                                                                                                                                          |         |    |    |         |    |    |        |    |    |
|    | M32C-A                | Internal pilot air supply, not reversible                                                                                                                                | ■       | ■  | ■  | -       | -  | -  | -      | -  | -  |
|    |                       | Internal pilot air supply, not reversible                                                                                                                                | -       | -  | -  | -       | -  | -  | ■      | ■  | ■  |
|    |                       | External pilot air supply, reversible                                                                                                                                    | -       | -  | -  | -       | -  | -  | ■      | ■  | ■  |
| 3/2-way valve, normally closed, pneumatic/mechanical spring                         |                       |                                                                                                                                                                          |         |    |    |         |    |    |        |    |    |
|    | M32C-M                | <ul style="list-style-type: none"><li>Internal pilot air supply, not reversible</li><li>Reset via: mechanical spring, supported internally by pneumatic spring</li></ul> | -       | -  | -  | -       | -  | -  | ■      | -  | -  |
|   |                       | <ul style="list-style-type: none"><li>External pilot air supply, reversible</li><li>Reset via: mechanical spring, supported internally by pneumatic spring</li></ul>     | -       | -  | -  | -       | -  | -  | ■      | -  | -  |
| 3/2-way valve, normally closed, mechanical spring                                   |                       |                                                                                                                                                                          |         |    |    |         |    |    |        |    |    |
|  | M32C-M                | Internal pilot air supply, not reversible                                                                                                                                | -       | -  | -  | ■       | ■  | ■  | -      | ■  | ■  |
|  |                       | External pilot air supply, not reversible                                                                                                                                | -       | -  | -  | ■       | ■  | ■  | -      | -  | -  |
|  |                       | External pilot air supply, reversible                                                                                                                                    | -       | -  | -  | -       | -  | -  | -      | ■  | ■  |

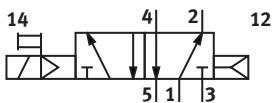
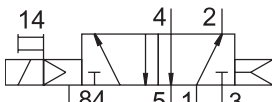
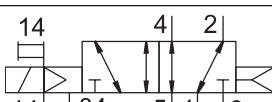
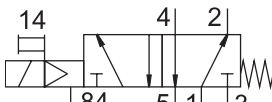
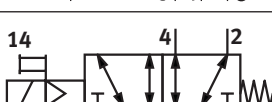
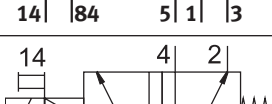
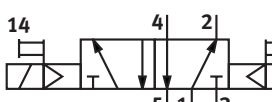
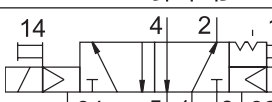
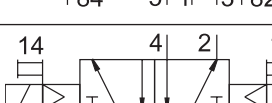
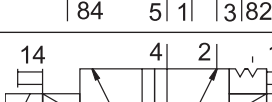
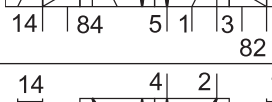
## Overview of valve functions

| Valve                                                                              | Order code for valves | Description                                                                                                                                                          | VUVS-LK |    |    | VUVS-LT |    |    | VUVS-L |    |    |
|------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----|----|---------|----|----|--------|----|----|
|                                                                                    |                       |                                                                                                                                                                      | Size    |    |    | Size    |    |    | Size   |    |    |
|                                                                                    |                       |                                                                                                                                                                      | 20      | 25 | 30 | 20      | 25 | 30 | 20     | 25 | 30 |
| 3/2-way valve, normally open, pneumatic spring                                     |                       |                                                                                                                                                                      |         |    |    |         |    |    |        |    |    |
|    | M32U-A                | Internal pilot air supply, not reversible                                                                                                                            | -       | -  | -  | -       | -  | -  | ■      | ■  | ■  |
|    |                       | External pilot air supply, reversible                                                                                                                                | -       | -  | -  | -       | -  | -  | ■      | ■  | ■  |
| 3/2-way valve, normally open, pneumatic/mechanical spring                          |                       |                                                                                                                                                                      |         |    |    |         |    |    |        |    |    |
|    | M32U-M                | <ul style="list-style-type: none"><li>External pilot air supply, reversible</li><li>Reset via: mechanical spring, supported internally by pneumatic spring</li></ul> | -       | -  | -  | -       | -  | -  | ■      | -  | -  |
|    |                       | <ul style="list-style-type: none"><li>External pilot air supply, reversible</li><li>Reset via: mechanical spring, supported internally by pneumatic spring</li></ul> | -       | -  | -  | -       | -  | -  | ■      | -  | -  |
| 3/2-way valve, normally open, mechanical spring                                    |                       |                                                                                                                                                                      |         |    |    |         |    |    |        |    |    |
|   | M32U-M                | Internal pilot air supply, not reversible                                                                                                                            | -       | -  | -  | ■       | ■  | ■  | -      | ■  | ■  |
|  |                       | External pilot air supply, not reversible                                                                                                                            | -       | -  | -  | ■       | ■  | ■  | -      | -  | -  |
|  |                       | External pilot air supply, reversible                                                                                                                                | -       | -  | -  | -       | -  | -  | -      | ■  | ■  |

## Overview of valve functions

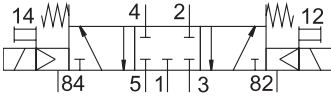
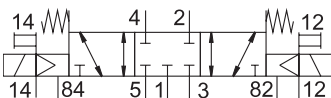
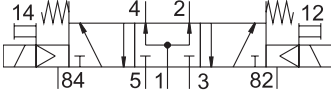
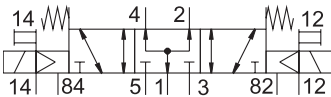
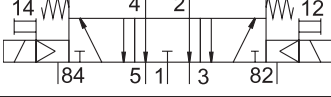
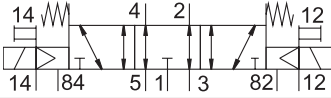
| Valve                                                                               | Order code for valves | Description                               | VUVS-LK |    |    | VUVS-LT |    |    | VUVS-L |    |    |
|-------------------------------------------------------------------------------------|-----------------------|-------------------------------------------|---------|----|----|---------|----|----|--------|----|----|
|                                                                                     |                       |                                           | Size    |    |    | Size    |    |    | Size   |    |    |
|                                                                                     |                       |                                           | 20      | 25 | 30 | 20      | 25 | 30 | 20     | 25 | 30 |
|    | T32C                  | Internal pilot air supply, not reversible | –       | –  | –  | ■       | ■  | ■  | –      | –  | –  |
|    | T32C                  | External pilot air supply, not reversible | –       | –  | –  | ■       | ■  | ■  | –      | –  | –  |
| <b>2x 3/2-way valve, normally open, mechanical spring</b>                           |                       |                                           |         |    |    |         |    |    |        |    |    |
|    | T32U                  | Internal pilot air supply, not reversible | –       | –  | –  | ■       | ■  | ■  | –      | –  | –  |
|   | T32U                  | External pilot air supply, not reversible | –       | –  | –  | ■       | ■  | ■  | –      | –  | –  |
| <b>2x 3/2-way valve, 1x normally open, 1x normally closed, mechanical spring</b>    |                       |                                           |         |    |    |         |    |    |        |    |    |
|  | T32H                  | Internal pilot air supply, not reversible | –       | –  | –  | ■       | ■  | ■  | –      | –  | –  |
|  | T32H                  | External pilot air supply, not reversible | –       | –  | –  | ■       | ■  | ■  | –      | –  | –  |

## Overview of valve functions

| Valve                                                                              | Order code for valves | Description                                                                                                                                 | VUVS-LK |    |    | VUVS-LT |    |    | VUVS-L |    |    |
|------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------|----|----|---------|----|----|--------|----|----|
|                                                                                    |                       |                                                                                                                                             | Size    |    |    | Size    |    |    | Size   |    |    |
|                                                                                    |                       |                                                                                                                                             | 20      | 25 | 30 | 20      | 25 | 30 | 20     | 25 | 30 |
|    | M52                   | Internal pilot air supply, not reversible                                                                                                   | ■       | ■  | ■  | -       | -  | -  | -      | -  | -  |
|    |                       | Internal pilot air supply, not reversible                                                                                                   | -       | -  | -  | -       | -  | -  | ■      | ■  | ■  |
|    |                       | External pilot air supply, reversible                                                                                                       | -       | -  | -  | -       | -  | -  | ■      | ■  | ■  |
| 5/2-way single solenoid valve, mechanical spring                                   |                       |                                                                                                                                             |         |    |    |         |    |    |        |    |    |
|    | M52                   | Internal pilot air supply, not reversible                                                                                                   | -       | -  | -  | ■       | ■  | ■  | ■      | ■  | ■  |
|    |                       | External pilot air supply, reversible                                                                                                       | -       | -  | -  | -       | -  | -  | ■      | ■  | ■  |
|   |                       | External pilot air supply, not reversible                                                                                                   | -       | -  | -  | ■       | ■  | ■  | -      | -  | -  |
| 5/2-way double solenoid valve                                                      |                       |                                                                                                                                             |         |    |    |         |    |    |        |    |    |
|  | B52                   | Internal pilot air supply, not reversible                                                                                                   | ■       | ■  | ■  | -       | -  | -  | -      | -  | -  |
|  |                       | <ul style="list-style-type: none"><li>Internal pilot air supply, not reversible</li><li>Holding the switching position: via latch</li></ul> | -       | -  | -  | -       | ■  | -  | -      | -  | -  |
|  |                       | Internal pilot air supply, not reversible                                                                                                   | -       | -  | -  | ■       | -  | ■  | ■      | ■  | ■  |
|  |                       | <ul style="list-style-type: none"><li>External pilot air supply, not reversible</li><li>Holding the switching position: via latch</li></ul> | -       | -  | -  | ■       | ■  | ■  | -      | -  | -  |
|  |                       | External pilot air supply, reversible                                                                                                       | -       | -  | -  | -       | -  | -  | ■      | ■  | ■  |

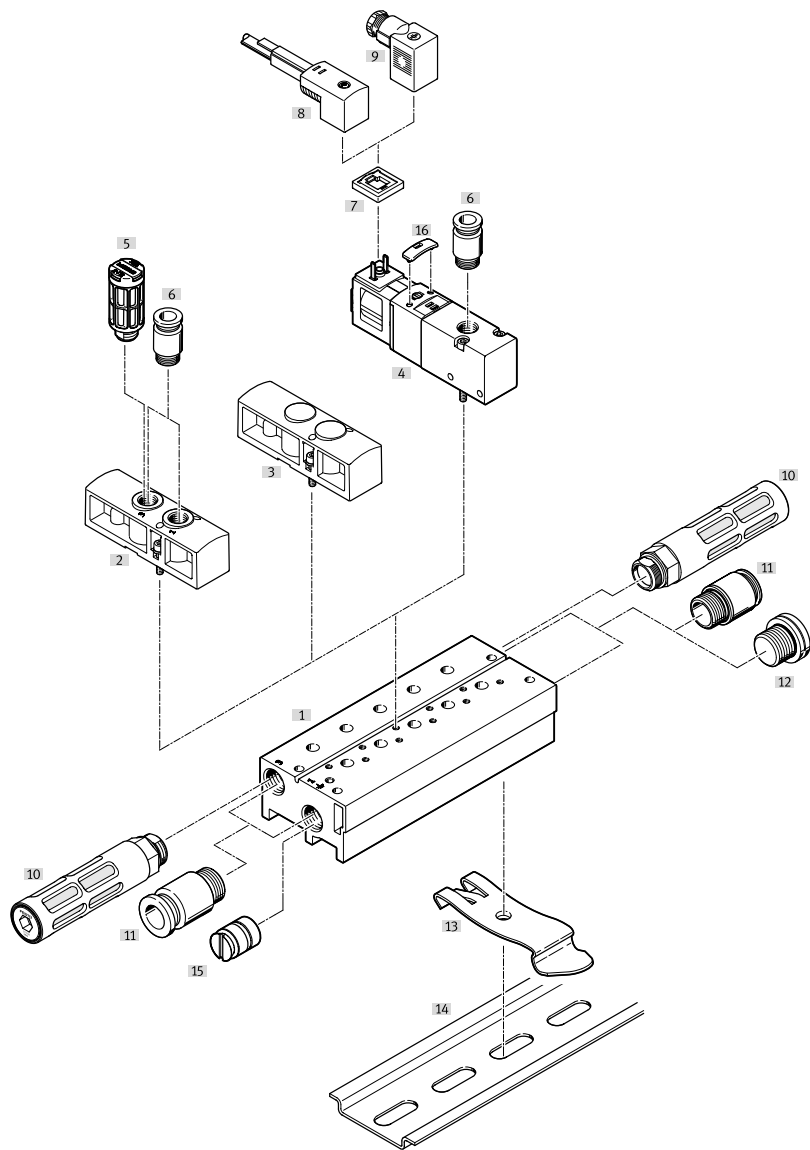


## Overview of valve functions

| Valve                                                                               | Order code for valves | Description                               | VUVS-L |    |    |
|-------------------------------------------------------------------------------------|-----------------------|-------------------------------------------|--------|----|----|
|                                                                                     |                       |                                           | Size   |    |    |
|                                                                                     |                       |                                           | 20     | 25 | 30 |
| 5/3-way valve, mechanical spring, closed                                            |                       |                                           |        |    |    |
|    | P53C                  | Internal pilot air supply, not reversible | ■      | ■  | ■  |
|    |                       | External pilot air supply, reversible     | ■      | ■  | ■  |
| 5/3-way valve, mechanical spring, pressurised                                       |                       |                                           |        |    |    |
|    | P53U                  | Internal pilot air supply, not reversible | ■      | ■  | ■  |
|    |                       | External pilot air supply, reversible     | ■      | ■  | ■  |
| 5/3-way valve, mechanical spring, exhausted                                         |                       |                                           |        |    |    |
|   | P53E                  | Internal pilot air supply, not reversible | ■      | ■  | ■  |
|  |                       | External pilot air supply, reversible     | ■      | ■  | ■  |

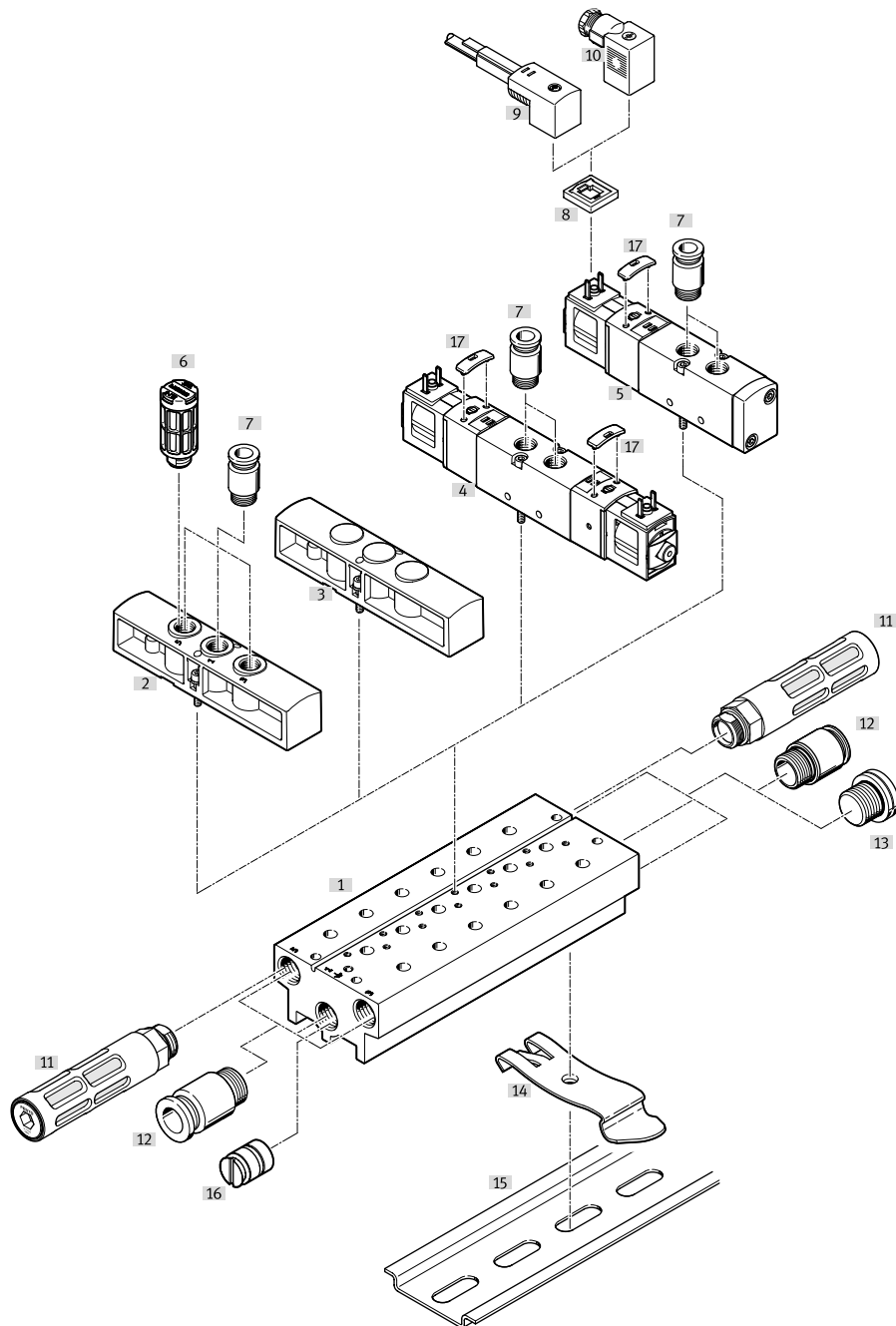
Peripherals overview VUVS-LK

Manifold block for 3/2-way valves



## Peripherals overview VUVS-LK

| Designation                | Description                                                                                           | → Page/Internet |
|----------------------------|-------------------------------------------------------------------------------------------------------|-----------------|
| [1] Compact manifold block | For 3/2-way valves, no port for external pilot air supply                                             | 191             |
| [2] Supply plate           | For additional air supply and exhaust via a valve position                                            | 193             |
| [3] Cover plate            | For covering unused valve positions                                                                   | 193             |
| [4] Solenoid valve         | 3/2-way valve, with solenoid coil                                                                     | 57              |
| [5] Silencer               | For port 3, exhaust                                                                                   | 195             |
| [6] Push-in fitting        | For ports 1 and 3, supply and exhaust ports with supply plate, for port 2, working port, on the valve | 194             |
| [7] Illuminating seal      | For indicating the switching status                                                                   | 66              |
| [8] Plug socket with cable | For solenoid valves VUVS                                                                              | 66              |
| [9] Plug socket            | For solenoid valves VUVS                                                                              | 66              |
| [10] Silencer              | For port 3, exhaust                                                                                   | 195             |
| [11] Push-in fitting       | For ports 1 and 3, supply and exhaust ports                                                           | 194             |
| [12] Blanking plug         | For ports 1 and 3, supply and exhaust ports                                                           | 195             |
| [13] H-rail mounting       | For H-rail mounting                                                                                   | 195             |
| [14] H-rail                | –                                                                                                     | –               |
| [15] Separator             | For creating pressure zones in ports 1 and 3                                                          | 195             |
| [16] Cover cap             | For manual override, non-detenting or covered                                                         | 76              |



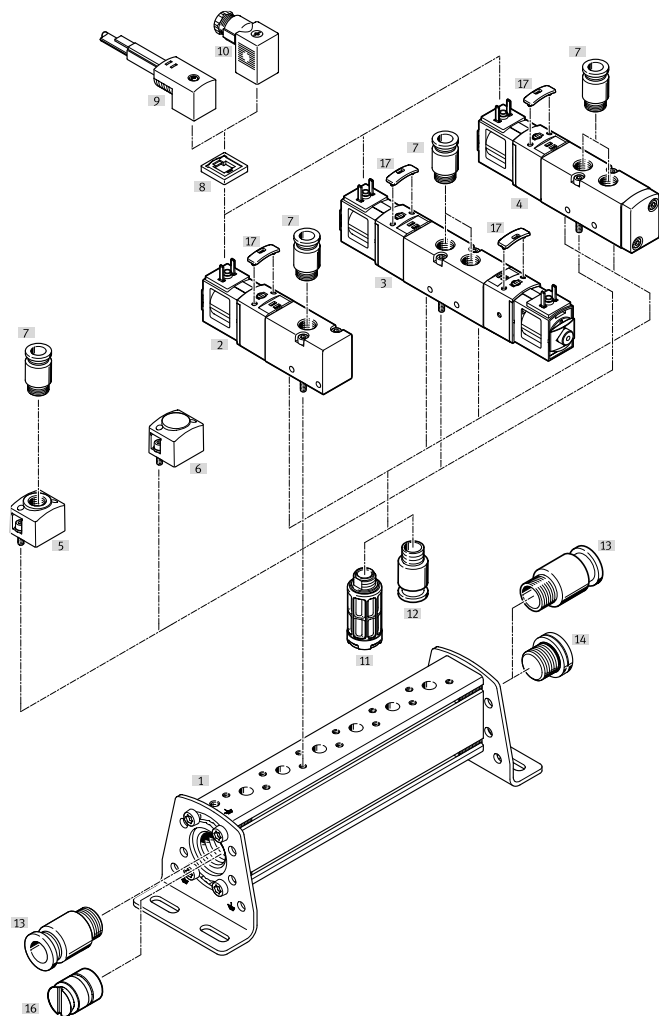
| Designation                | Description                                                                                                     | → Page/Internet |
|----------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------|
| [1] Compact manifold block | For 5/2-way valves, no port for external pilot air supply                                                       | 191             |
| [2] Supply plate           | For additional air supply and exhaust via a valve position                                                      | 193             |
| [3] Cover plate            | For covering unused valve positions                                                                             | 193             |
| [4] Solenoid valve         | 5/2-way double solenoid valve, with solenoid coil                                                               | 57              |
| [5] Solenoid valve         | 5/2-way single solenoid valve, with solenoid coil                                                               | 57              |
| [6] Silencer               | For ports 3 and 5, exhaust                                                                                      | 195             |
| [7] Push-in fitting        | For ports 1, 3 and 5, supply and exhaust ports with supply plate, for ports 2 and 4, working port, on the valve | 194             |
| [8] Illuminating seal      | For indicating the switching status                                                                             | 66              |

## Peripherals overview VUVS-LK

| Designation                | Description                                     | → Page/Internet |
|----------------------------|-------------------------------------------------|-----------------|
| [9] Plug socket with cable | For solenoid valves VUVS                        | 66              |
| [10] Plug socket           | For solenoid valves VUVS                        | 66              |
| [11] Silencer              | For ports 3 and 5, exhaust                      | 195             |
| [12] Push-in fitting       | For ports 1, 3 and 5, supply and exhaust ports  | 194             |
| [13] Blanking plug         | For ports 1, 3 and 5, supply and exhaust ports  | 195             |
| [14] H-rail mounting       | For H-rail mounting                             | 195             |
| [15] H-rail                | –                                               | –               |
| [16] Separator             | For creating pressure zones in ports 1, 3 and 5 | 195             |
| [17] Cover cap             | For manual override, non-detenting or covered   | 76              |

## Peripherals overview VUVS-LK

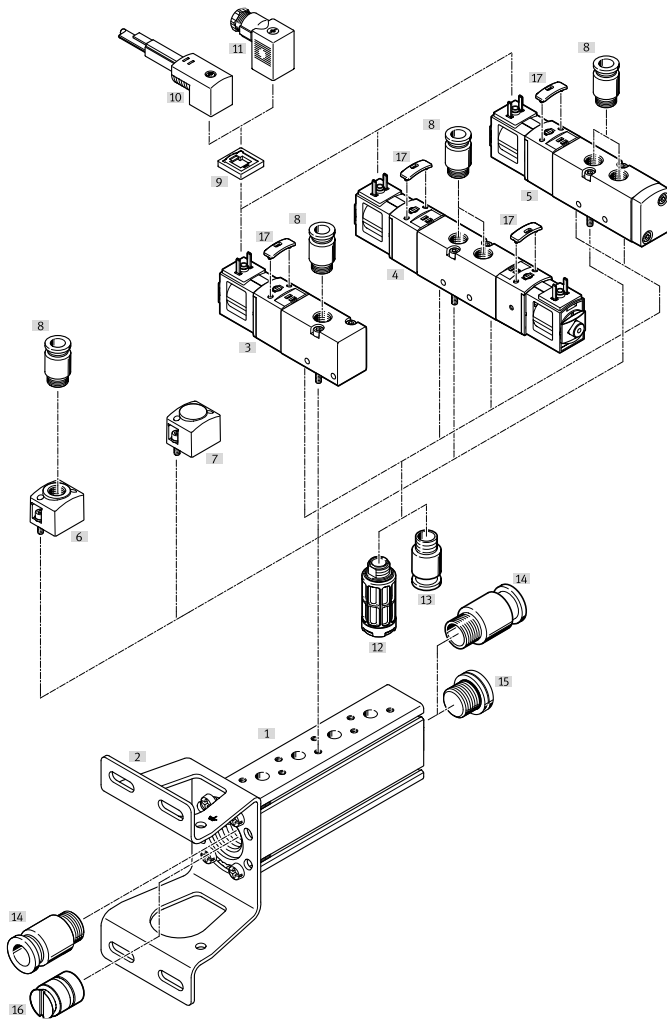
## Common supply manifold for mounting on both sides



| Designation                | Description                                                                                                 | → Page/Internet |
|----------------------------|-------------------------------------------------------------------------------------------------------------|-----------------|
| [1] Common supply manifold | –                                                                                                           | 192             |
| [2] Solenoid valve         | 3/2-way valve, with solenoid coil                                                                           | 57              |
| [3] Solenoid valve         | 5/3-way valve and 5/2-way double solenoid valve, with solenoid coil<br>2x 3/2-way valve, with solenoid coil | 57              |
| [4] Solenoid valve         | 5/2-way single solenoid valve, with solenoid coil                                                           | 57              |
| [5] Supply plate           | For additional air supply via a valve position                                                              | 193             |
| [6] Cover plate            | For covering unused valve positions                                                                         | 193             |
| [7] Push-in fitting        | For port 1, working port                                                                                    | 194             |
| [8] Illuminating seal      | For indicating the switching status                                                                         | 66              |
| [9] Plug socket with cable | For solenoid valves VUVS                                                                                    | 66              |
| [10] Plug socket           | For solenoid valves VUVS                                                                                    | 66              |
| [11] Silencer              | For ports 3 and 5, exhaust, on the valve                                                                    | 195             |
| [12] Push-in fitting       | For ports 3 and 5, exhaust, on the valve                                                                    | 194             |
| [13] Push-in fitting       | For port 1, supply port                                                                                     | 194             |
| [14] Blanking plug         | For port 1, supply port                                                                                     | 195             |
| [16] Separator             | For creating pressure zones                                                                                 | 195             |
| [17] Cover cap             | For manual override, non-detenting or covered                                                               | 76              |

## Peripherals overview VUVS-LK

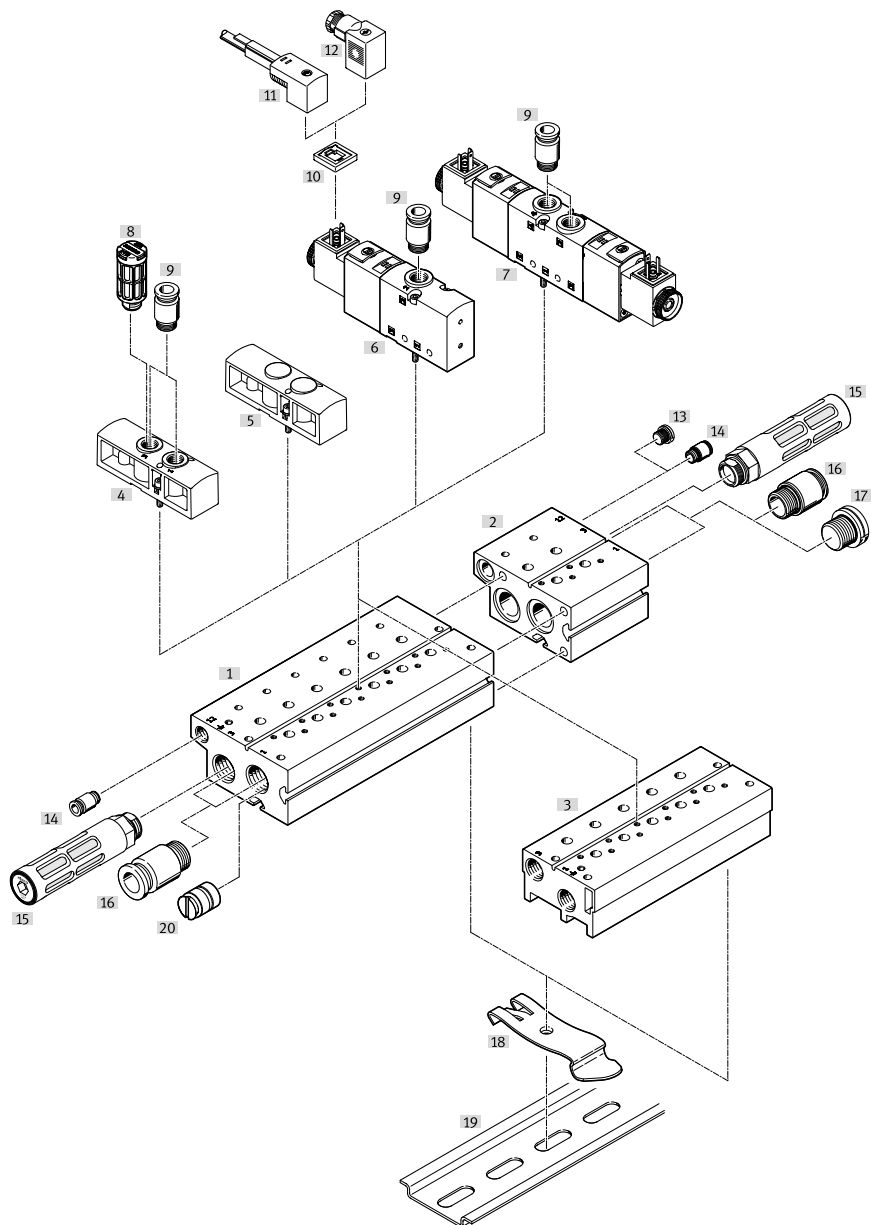
## Common supply manifold for mounting on one side



| Designation                 | Description                                                | → Page/Internet |
|-----------------------------|------------------------------------------------------------|-----------------|
| [1] Common supply manifold  | –                                                          | 192             |
| [2] Mounting bracket        | –                                                          | –               |
| [3] Solenoid valve          | 3/2-way valve, with solenoid coil                          | 65              |
| [4] Solenoid valve          | 5/2-way double solenoid valve, with solenoid coil          | 57              |
| [5] Solenoid valve          | 5/2-way single solenoid valve, with solenoid coil          | 57              |
| [6] Supply plate            | For additional air supply via a valve position             | 193             |
| [7] Cover plate             | For covering unused valve positions                        | 193             |
| [8] Push-in fitting         | For port 1, supply port<br>For ports 2 and 4, working port | 194             |
| [9] Illuminating seal       | For indicating the switching status                        | 66              |
| [10] Plug socket with cable | For solenoid valves VUVS                                   | 66              |
| [11] Plug socket            | For solenoid valves VUVS                                   | 66              |
| [12] Silencer               | For ports 3 and 5, exhaust, on the valve                   | 195             |
| [13] Push-in fitting        | For ports 3 and 5, on the valve                            | 194             |
| [14] Push-in fitting        | For port 1, supply port                                    | 194             |
| [15] Blanking plug          | For port 1, supply port                                    | 195             |
| [16] Separator              | For creating pressure zones                                | 195             |
| [17] Cover cap              | For manual override, non-detenting or covered              | 76              |

## Peripherals overview VUVS-LT, VUVS-L

## Manifold block for 3/2-way valves



| Designation                 | Description                                                                                           | → Page/Internet |
|-----------------------------|-------------------------------------------------------------------------------------------------------|-----------------|
| [1] Standard manifold block | For 3/2-way valves, with port 10/12 for external pilot air supply                                     | 191             |
| [2] Extension module        | For standard manifold block, with port 10/12 for external pilot air supply                            | 191             |
| [3] Compact manifold block  | For 3/2-way valves, no port for external pilot air supply                                             | 191             |
| [4] Supply plate            | For additional air supply and exhaust via a valve position                                            | 193             |
| [5] Cover plate             | For covering unused valve positions                                                                   | 193             |
| [6] Solenoid valve          | 3/2-way valve, with solenoid coil                                                                     | 57              |
| [7] Solenoid valve          | 2x 3/2-way valve, with solenoid coil                                                                  | 57              |
| [8] Silencer                | For port 3, exhaust                                                                                   | 195             |
| [9] Push-in fitting         | For ports 1 and 3, supply and exhaust ports with supply plate, for port 2, working port, on the valve | 194             |
| [10] Illuminating seal      | For indicating the switching status                                                                   | 144             |
| [11] Plug socket with cable | For solenoid valves VUVS                                                                              | 144             |
| [12] Plug socket            | For solenoid valves VUVS                                                                              | 144             |
| [13] Blanking plug          | For port 10/12, external pilot air supply, for standard manifold block only                           | 195             |
| [14] Push-in fitting        | For port 10/12, external pilot air supply, for standard manifold block only                           | 194             |

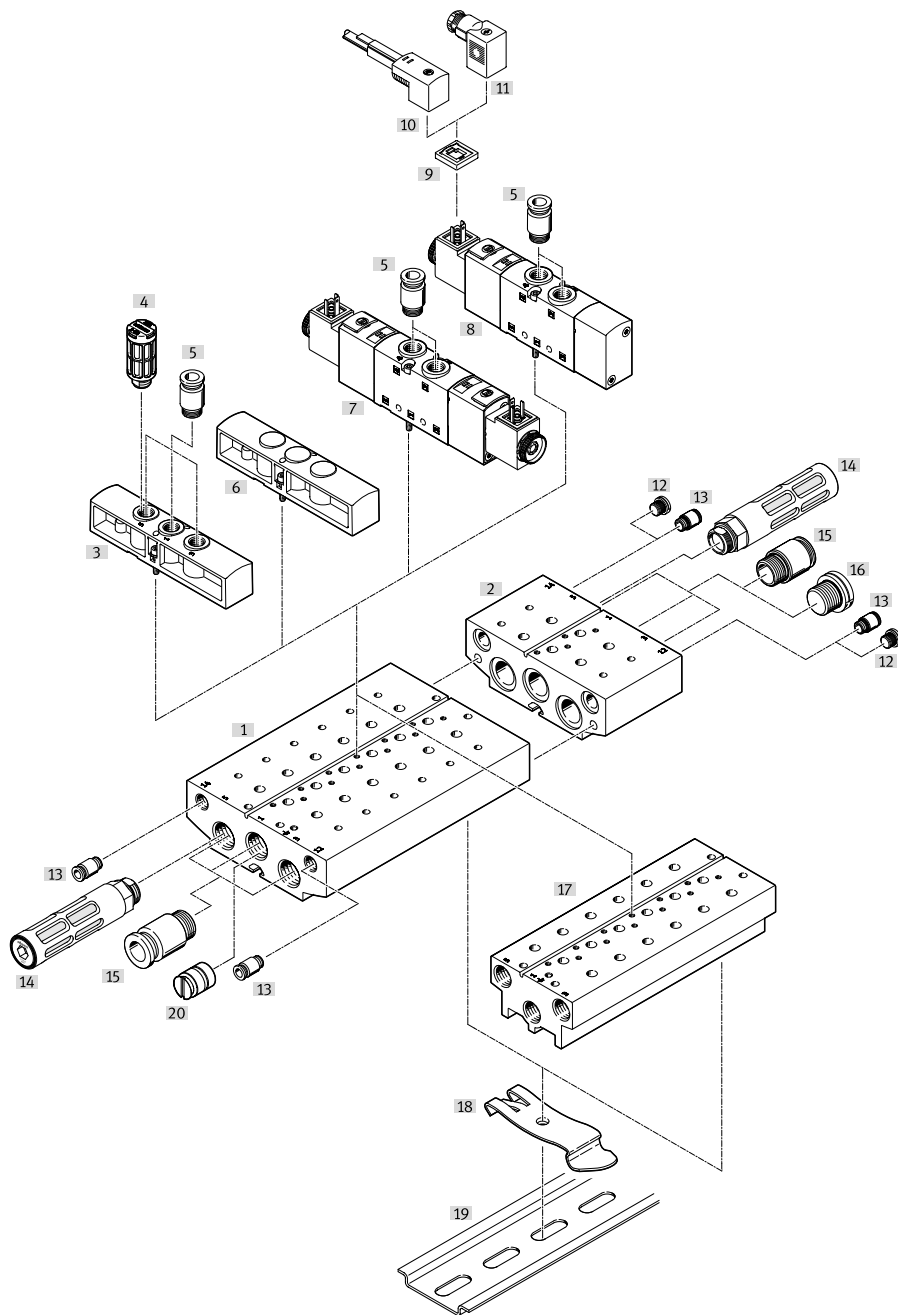


## Peripherals overview VUVS-LT, VUVS-L

| Designation          | Description                                  | → Page/Internet |
|----------------------|----------------------------------------------|-----------------|
| [15] Silencer        | For port 3, exhaust                          | 195             |
| [16] Push-in fitting | For ports 1 and 3, supply and exhaust ports  | 194             |
| [17] Blanking plug   | For ports 1 and 3, supply and exhaust ports  | 195             |
| [18] H-rail mounting | For H-rail mounting                          | 195             |
| [19] H-rail          | –                                            | –               |
| [20] Separator       | For creating pressure zones in ports 1 and 3 | 195             |

## Peripherals overview VUVS-LT, VUVS-L

## Manifold block for 5/2 and 5/3-way valves



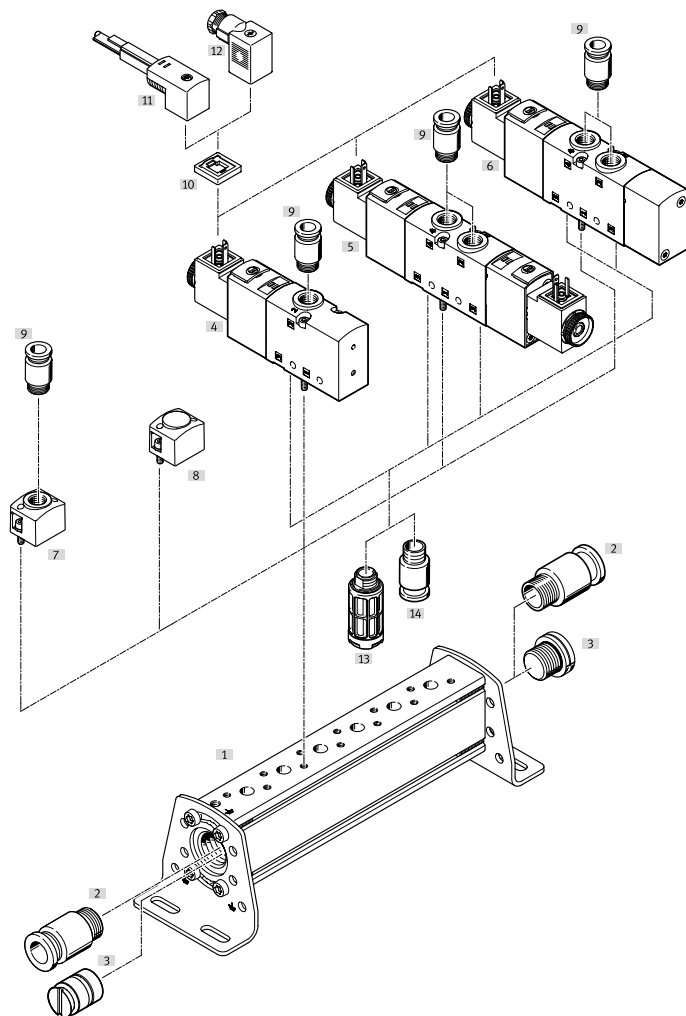
| Designation                 | Description                                                                                                     | → Page/Internet |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------|
| [1] Standard manifold block | For 5/2- and 5/3-way valves, with ports 12 and 14 for external pilot air supply                                 | 191             |
| [2] Extension module        | For standard manifold block, with ports 12 and 14 for external pilot air supply                                 | 191             |
| [3] Supply plate            | For additional air supply and exhaust via a valve position                                                      | 193             |
| [4] Silencer                | For ports 3 and 5, exhaust                                                                                      | 195             |
| [5] Push-in fitting         | For ports 1, 3 and 5, supply and exhaust ports with supply plate, for ports 2 and 4, working port, on the valve | 194             |
| [6] Cover plate             | For covering unused valve positions                                                                             | 193             |
| [7] Solenoid valve          | 5/3-way valve and 5/2-way double solenoid valve, with solenoid coil                                             | 57              |
| [8] Solenoid valve          | 5/2-way single solenoid valve, with solenoid coil                                                               | 57              |
| [9] Illuminating seal       | For indicating the switching status                                                                             | 144             |
| [10] Plug socket with cable | For solenoid valves VUVS                                                                                        | 144             |
| [11] Plug socket            | For solenoid valves VUVS                                                                                        | 144             |
| [12] Blanking plug          | For ports 12 and 14, external pilot air supply, for standard manifold block only                                | 195             |

## Peripherals overview VUVS-LT, VUVS-L

| Designation                 | Description                                                                      | → Page/Internet |
|-----------------------------|----------------------------------------------------------------------------------|-----------------|
| [13] Push-in fitting        | For ports 12 and 14, external pilot air supply, for standard manifold block only | 194             |
| [14] Silencer               | For ports 3 and 5, exhaust                                                       | 195             |
| [15] Push-in fitting        | For ports 1, 3 and 5, supply and exhaust ports                                   | 194             |
| [16] Blanking plug          | For ports 1, 3 and 5, supply and exhaust ports                                   | 195             |
| [17] Compact manifold block | For 5/2- and 5/3-way valves, no port for external pilot air supply               | 191             |
| [18] H-rail mounting        | For H-rail mounting                                                              | 195             |
| [19] H-rail                 | –                                                                                | –               |
| [20] Separator              | For creating pressure zones in ports 1, 3 and 5                                  | 195             |

## Peripherals overview VUVS-LT, VUVS-L

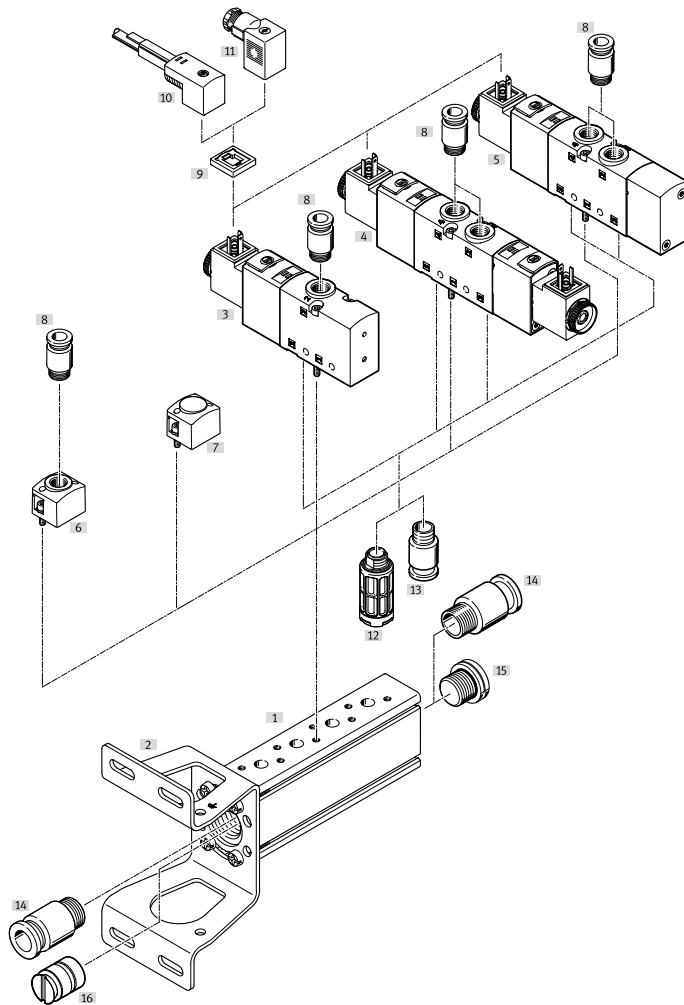
## Common supply manifold for mounting on both sides



| Designation                 | Description                                                                                                 | → Page/Internet |
|-----------------------------|-------------------------------------------------------------------------------------------------------------|-----------------|
| [1] Common supply manifold  | –                                                                                                           | 192             |
| [2] Push-in fitting         | For port 1, supply port                                                                                     | 194             |
| [3] Separator               | For creating pressure zones                                                                                 |                 |
| [4] Solenoid valve          | 3/2-way valve, with solenoid coil                                                                           | 57              |
| [5] Solenoid valve          | 5/3-way valve and 5/2-way double solenoid valve, with solenoid coil<br>2x 3/2-way valve, with solenoid coil | 57              |
| [6] Solenoid valve          | 5/2-way single solenoid valve, with solenoid coil                                                           | 57              |
| [7] Supply plate            | For additional air supply via a valve position                                                              | 193             |
| [8] Cover plate             | For covering unused valve positions                                                                         | 193             |
| [9] Push-in fitting         | For port 1<br>For ports 2, 4, working port                                                                  | 194             |
| [10] Illuminating seal      | For indicating the switching status                                                                         | 144             |
| [11] Plug socket with cable | For solenoid valves VUVS                                                                                    | 144             |
| [12] Plug socket            | For solenoid valves VUVS                                                                                    | 144             |
| [13] Silencer               | For ports 3 and 5, exhaust, on the valve                                                                    | 195             |
| [14] Push-in fitting        | For ports 3 and 5, exhaust, on the valve                                                                    | 194             |

## Peripherals overview VUVS-LT, VUVS-L

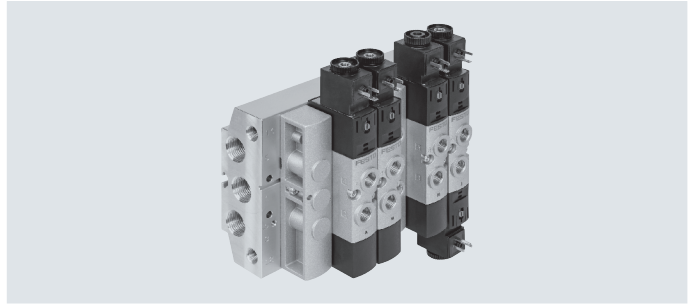
## Common supply manifold for mounting on one side



| Designation                 | Description                                                                                                 | → Page/Internet |
|-----------------------------|-------------------------------------------------------------------------------------------------------------|-----------------|
| [1] Common supply manifold  | –                                                                                                           | 192             |
| [2] Mounting bracket        | –                                                                                                           | –               |
| [3] Solenoid valve          | 3/2-way valve, with solenoid coil                                                                           | 57              |
| [4] Solenoid valve          | 5/3-way valve and 5/2-way double solenoid valve, with solenoid coil<br>2x 3/2-way valve, with solenoid coil | 57              |
| [5] Solenoid valve          | 5/2-way single solenoid valve, with solenoid coil                                                           | 57              |
| [6] Supply plate            | For additional air supply via a valve position                                                              | 193             |
| [7] Cover plate             | For covering unused valve positions                                                                         | 193             |
| [8] Push-in fitting         | For port 1, supply port<br>For ports 2 and 4, working port                                                  | 194             |
| [9] Illuminating seal       | For indicating the switching status                                                                         | 144             |
| [10] Plug socket with cable | For solenoid valves VUVS                                                                                    | 144             |
| [11] Plug socket            | For solenoid valves VUVS                                                                                    | 144             |
| [12] Silencer               | For ports 3 and 5, exhaust, on the valve                                                                    | 195             |
| [13] Push-in fitting        | For ports 3 and 5, on the valve                                                                             | 194             |
| [14] Push-in fitting        | For port 1, supply port                                                                                     | 194             |
| [15] Blanking plug          | For port 1, supply port                                                                                     | 195             |
| [16] Separator              | For creating pressure zones                                                                                 | 195             |

## Technical data – Valve manifold assembly

-  - Flow rate
- Size 20:  
up to 700 l/min
- Size 25:  
up to 1300 l/min
- Size 30:  
up to 2300 l/min



| General technical data                 |                         |                                                                                 |               |               |
|----------------------------------------|-------------------------|---------------------------------------------------------------------------------|---------------|---------------|
| Size                                   |                         | 20                                                                              | 25            | 30            |
| Valve manifold design                  |                         | Fixed grid                                                                      |               |               |
| Valve width [mm]                       |                         | 21                                                                              | 26.5          | 31            |
| Valve design                           | VUVS-L                  | Piston spool with sealing cartridge                                             |               |               |
|                                        | VUVS-LT                 | Poppet seat                                                                     |               |               |
|                                        | VUVS-LK                 | Piston spool with sealing ring                                                  |               |               |
| Electrical control                     |                         | Individual connection                                                           |               |               |
| Reset method for valves                | VUVS-L                  | Pneumatic or mechanical spring                                                  |               |               |
|                                        | VUVS-LT                 | Mechanical spring                                                               |               |               |
|                                        | VUVS-LK                 | Pneumatic spring                                                                |               |               |
| Pilot air supply                       |                         | Internal or external                                                            |               |               |
| Flow direction                         | VUVS-L                  | Reversible with limitations                                                     |               |               |
|                                        | VUVS-LT                 | Non-reversible                                                                  |               |               |
|                                        | VUVS-LK                 | Non-reversible                                                                  |               |               |
| Suitable for vacuum                    | VUVS-L                  | Yes, with external pilot air supply                                             |               |               |
|                                        | VUVS-LT                 | Yes, with external pilot air supply (not for valves M52/B52)                    |               | No            |
|                                        | VUVS-LK                 | No                                                                              |               |               |
| Overlap                                | VUVS-L                  | Positive overlap                                                                |               |               |
|                                        | VUVS-LT                 | Negative overlap                                                                |               |               |
|                                        | VUVS-LK                 | Positive overlap                                                                |               |               |
| Sealing principle                      |                         | Soft                                                                            |               |               |
| Max. no. of valve positions            |                         | 16 (a maximum of 18 valve positions with extension for standard manifold block) |               |               |
| Max. number of pressure zones          |                         | 9                                                                               |               |               |
| Exhaust air function                   |                         | Can be throttled                                                                |               |               |
| Actuation type                         |                         | Electric                                                                        |               |               |
| Nominal operating voltage [V DC]       |                         | 12, 24                                                                          |               |               |
| [V AC]                                 |                         | 24, 110, 120, 230, 240                                                          |               |               |
| Standard nominal flow rate qnN [l/min] |                         | 500 ... 700                                                                     | 1000 ... 1300 | 1600 ... 2300 |
| Pilot air connection                   | Standard manifold block | 12/14                                                                           | G1/8          | G1/8          |
|                                        | Compact manifold block  | 12/14                                                                           | On the valve  | On the valve  |
|                                        | Common supply manifold  | 12/14                                                                           | On the valve  | On the valve  |
| Pilot exhaust air port                 |                         | 82/84                                                                           | M5            |               |
| Mounting position                      |                         | Any                                                                             |               |               |
| Degree of protection                   |                         | IP65, IP67                                                                      |               |               |
|                                        |                         | With plug socket, to IEC 60529                                                  |               |               |
| Permissible voltage fluctuations [%]   |                         | ± 10                                                                            |               |               |

## Technical data – Valve manifold assembly

| Materials         |         |                      |
|-------------------|---------|----------------------|
| Seals             | VUVS-L  | HNBR, NBR            |
|                   | VUVS-LT | HNBR, NBR, TPE-U(PU) |
|                   | VUVS-LK | HNBR, NBR            |
| Note on materials |         | RoHS-compliant       |

| ATEX                                                          |                                             |
|---------------------------------------------------------------|---------------------------------------------|
| ATEX category for gas                                         | II 3G                                       |
| Type of ignition protection for gas                           | Ex ec IIC T4 Gc X                           |
| ATEX category for dust                                        | II 3D                                       |
| Type of ignition protection for dust                          | Ex tc IIIC T115°C Dc X                      |
| Explosion-proof ambient temperature [°C]                      | -10 ≤ Ta ≤ +50                              |
| CE marking<br>(see declaration of conformity) <sup>1)</sup>   | To EU Explosion Protection Directive (ATEX) |
| UKCA marking<br>(see declaration of conformity) <sup>1)</sup> | To UK EX instructions                       |
| Explosion protection certification outside the EU             | EPL Dc (GB)                                 |
|                                                               | EPL Gc (GB)                                 |

1) For information about the area of use, see the EC declaration of conformity at: [www.festo.com/catalogue/...](http://www.festo.com/catalogue/...) → Support/Downloads.

If the devices are subject to usage restrictions in residential, commercial or light-industrial environments, further measures for the reduction of the emitted interference may be necessary.

| Operating and environmental conditions        |                         |                                                                                            |                                                                     |
|-----------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| Valve design                                  |                         | Piston spool                                                                               | Poppet seat                                                         |
| Operating medium                              |                         | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |                                                                     |
| Pilot medium                                  |                         | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |                                                                     |
| Note on operating/pilot medium                |                         | Lubricated operation possible (in which case lubricated operation will always be required) |                                                                     |
| Operating pressure<br>With external pilot air | [MPa]                   | -0.09 ... +1                                                                               | -0.09 ... +1 (M32, T32)<br>+0.15 ... +1 (B52)<br>+0.25 ... +1 (M52) |
|                                               |                         | [bar]                                                                                      | -0.9 ... +10 (M32, T32)<br>+1.5 ... +10 (B52)<br>+2.5 ... +10 (M52) |
|                                               | With internal pilot air | [MPa]                                                                                      | +0.15 ... +1 (B52)<br>+0.25 ... +1 (M52, M32, T32)                  |
|                                               |                         |                                                                                            | +0.25 ... +1 (M52, M32, T32)                                        |
|                                               |                         | [bar]                                                                                      | +1.5 ... +10 (B52)<br>+2.5 ... +10 (M52, M32, T32)                  |
|                                               |                         |                                                                                            | +2.5 ... +10 (M52, M32, T32)                                        |
| Pilot pressure                                | [MPa]                   | +0.15 ... +1 (B52)<br>+0.25 ... +1                                                         | +0.15 ... +1 (B52)<br>+0.25 ... +1 (M52, M32, T32)                  |
|                                               |                         | [bar]                                                                                      | +1.5 ... +10 (B52)<br>+2.5 ... +10 (M52, M32, T32)                  |
|                                               | [bar]                   | +1.5 ... +10 (B52)<br>+2.5 ... +10                                                         | +1.5 ... +10 (B52)<br>+2.5 ... +10 (M52, M32, T32)                  |
|                                               |                         |                                                                                            |                                                                     |
| Ambient temperature                           | [°C]                    | -10 ... +60                                                                                | -5 ... +60 (M32, T32)<br>-10 ... +60 (B52, M52)                     |
| Temperature of medium                         | [°C]                    | -10 ... +60                                                                                | -5 ... +60 (M32, T32)<br>-10 ... +60 (B52, M52)                     |
| Certification                                 |                         | c UL us - Recognized (OL)                                                                  |                                                                     |
| Corrosion resistance class CRC <sup>1)</sup>  |                         | 2                                                                                          |                                                                     |

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

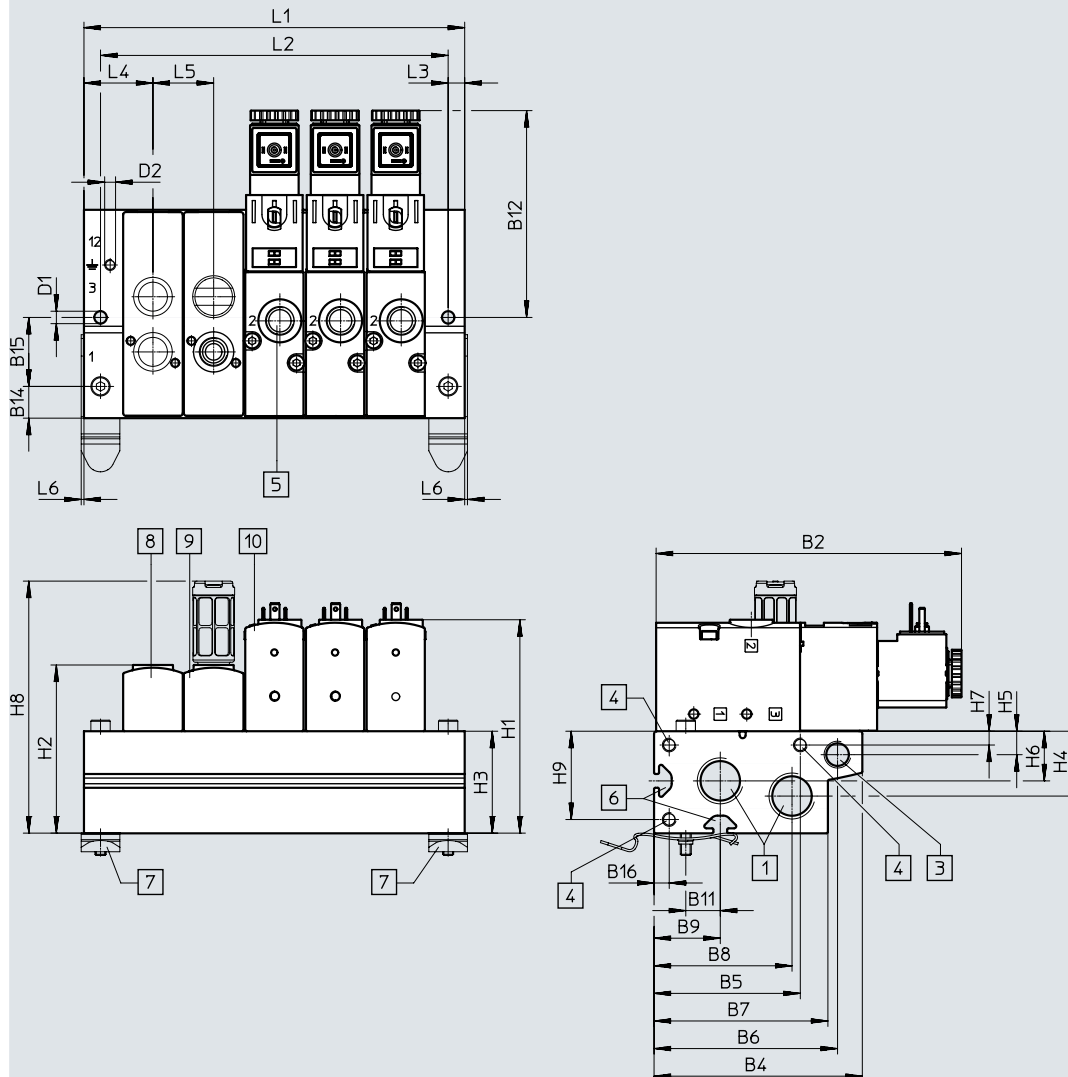
Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

# Technical data – Valve manifold assembly

## Dimensions – Valve manifold assembly

Download CAD data → [www.festo.com](http://www.festo.com)

With 3/2-way valves, standard manifold block



- |                                                                                                  |                                                                                             |                                                                                                             |                                                                                                |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| [1] Port 1 and 3<br>(on both sides):<br>G3/8 for VTUS-20<br>G1/2 for VTUS-25<br>G3/4 for VTUS-30 | [4] Thread for extension module:<br>M5x15.5 for VTUS-20<br>M5x18 for VTUS-25 and<br>VTUS-30 | [6] Profile slot IPM-05 system 5 for<br>VTUS-20 and VTUS-25, profile<br>slot IPM-08 system 8 for<br>VTUS-30 | [9] Supply plate,<br>port 1 and 3:<br>G1/8 for VTUS-20<br>G1/4 for VTUS-25<br>G3/8 for VTUS-30 |
| [3] Port 12 (on both sides): G1/8<br>for VTUS-20, VTUS-25 and<br>VTUS-30                         | [5] Port 2:<br>G1/8 for VTUS-20<br>G1/4 for VTUS-25<br>G3/8 for VTUS-30                     | [7] H-rail mounting VAME-T-M4 for<br>VTUS-20<br>VAME-T-M5 for VTUS-25<br>VAME-T-M6 for VTUS-30              | [10] 3/2-way valve                                                                             |
|                                                                                                  |                                                                                             | [8] Cover plate                                                                                             |                                                                                                |



## Technical data – Valve manifold assembly

| Type    | B2    | B4    | B5   | B6   | B7   | B8   | B9   | B11  | B12  | B14  | B15 | B16 |
|---------|-------|-------|------|------|------|------|------|------|------|------|-----|-----|
| VTUS-20 | 110.7 | 75.5  | 53   | 66.5 | 63   | 50   | 24   | 12.5 | 75   | 11.5 | 25  | 5.5 |
| VTUS-25 | 129.2 | 93    | 67.5 | 80.5 | 78   | 62   | 30   | 16   | 84.2 | 14   | 32  | 6   |
| VTUS-30 | 144.9 | 108.2 | 79   | 93.2 | 94.7 | 75.7 | 36.2 | 19   | 91.2 | 17.2 | 38  | 6.5 |

| Type    | D1 Ø | D2     | H1   | H2 | H3 | H4   | H5  | H6   | H7  | H8    | H9   | L3  | L4   | L5   | L6 |
|---------|------|--------|------|----|----|------|-----|------|-----|-------|------|-----|------|------|----|
| VTUS-20 | 4.5  | M4x6.5 | 77.4 | 61 | 37 | 23.5 | 8.5 | 18   | 5   | 91.4  | 32   | 6   | 25   | 22   | 1  |
| VTUS-25 | 4.5  | M4x9   | 95.5 | 71 | 45 | 25   | 9   | 22   | 5   | 123.4 | 39   | 6   | 29.8 | 27.5 | 1  |
| VTUS-30 | 4.5  | M5x11  | 118  | 91 | 61 | 35   | 9   | 28.5 | 6.5 | 170.1 | 54.5 | 7.5 | 34   | 32   | –  |

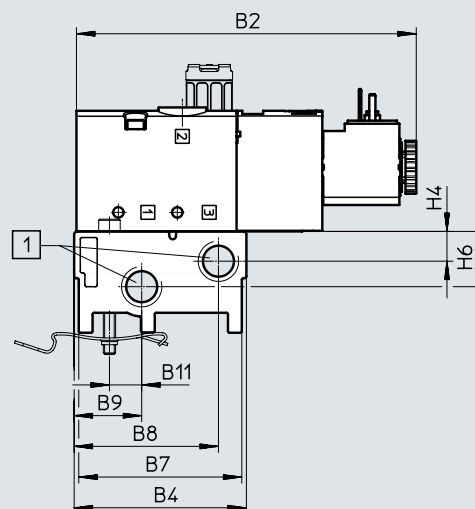
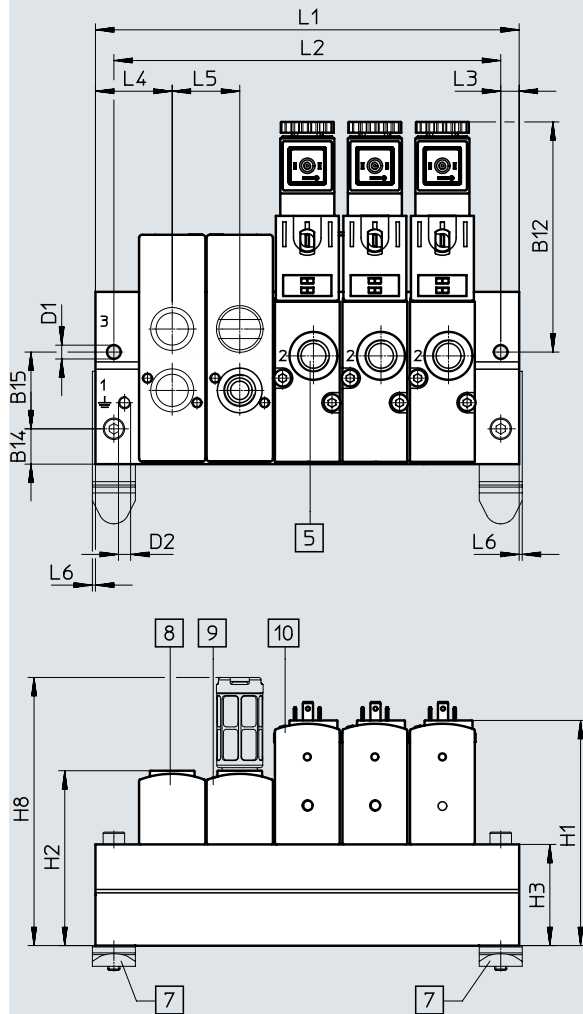
| Type    | Valve positions | 2   | 3     | 4   | 5     | 6   | 7     | 8   | 9     | 10  |
|---------|-----------------|-----|-------|-----|-------|-----|-------|-----|-------|-----|
| VTUS-20 | L1              | 72  | 94    | 116 | 138   | 160 | 182   | 204 | 226   | 248 |
|         | L2              | 60  | 82    | 104 | 126   | 148 | 170   | 192 | 214   | 236 |
| VTUS-25 | L1              | 87  | 114.5 | 142 | 169.5 | 197 | 224.5 | 252 | 279.5 | 307 |
|         | L2              | 75  | 102.5 | 130 | 157.5 | 185 | 212.5 | 240 | 267.5 | 295 |
| VTUS-30 | L1              | 100 | 132   | 164 | 196   | 228 | 260   | 292 | 324   | 356 |
|         | L2              | 85  | 117   | 149 | 181   | 213 | 245   | 277 | 309   | 341 |

# Technical data – Valve manifold assembly

## Dimensions – Valve manifold assembly

Download CAD data → [www.festo.com](http://www.festo.com)

With 3/2-way valves, compact manifold block



[1] Port 1 and 3  
(on both sides):  
G1/4 for VTUS-20  
G3/8 for VTUS-25  
G1/2 for VTUS-30

[5] Port 2:  
G1/8 for VTUS-20  
G1/4 for VTUS-25  
G3/8 for VTUS-30

[7] H-rail mounting VAME-T-M4 for  
VTUS-20  
VAME-T-M5 for VTUS-25  
VAME-T-M6 for VTUS-30  
[8] Cover plate

[9] Supply plate,  
port 1 and 3:  
G1/8 for VTUS-20  
G1/4 for VTUS-25  
G3/8 for VTUS-30  
[10] 3/2-way valve

## Technical data – Valve manifold assembly

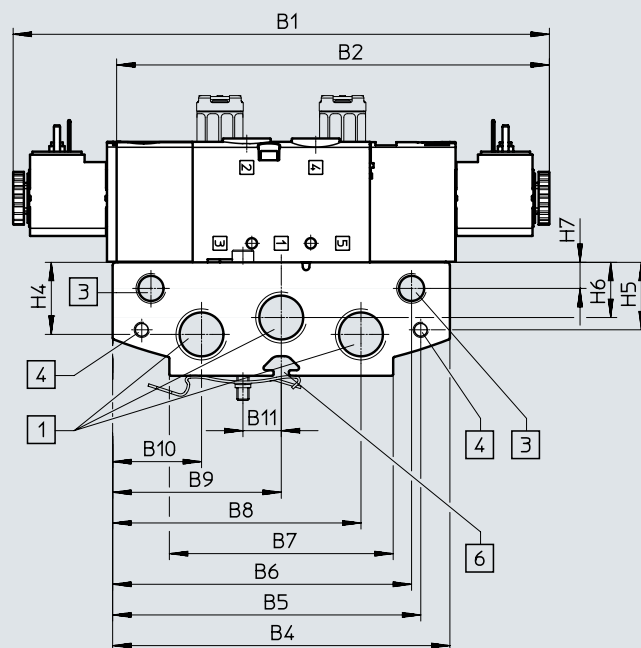
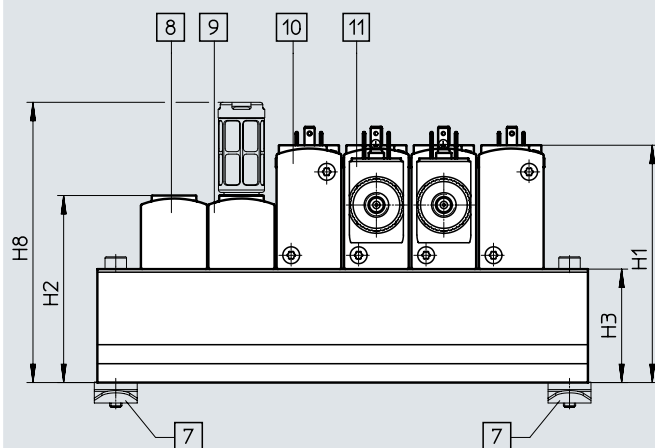
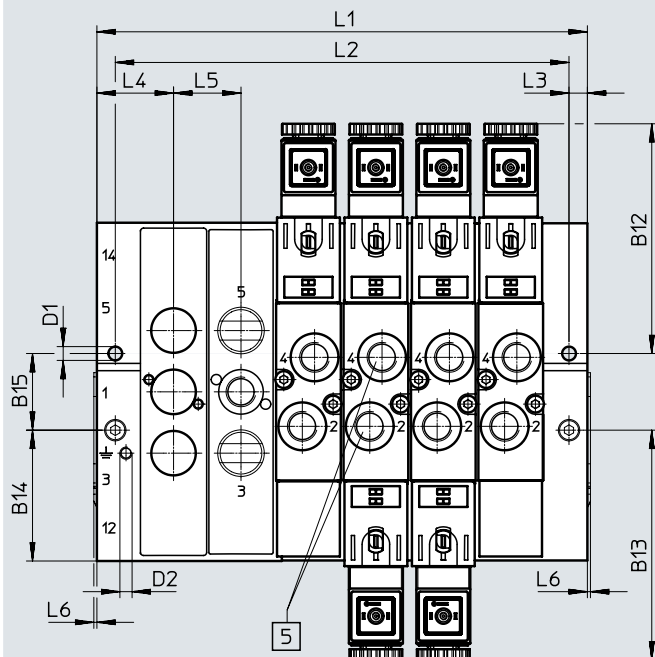
| Type    | B2    | B4   | B7   | B8   | B9 | B11  | B12  | B14  | B15 |
|---------|-------|------|------|------|----|------|------|------|-----|
| VTUS-20 | 110.7 | 56.1 | 53.1 | 47   | 22 | 10.5 | 75   | 11.5 | 25  |
| VTUS-25 | 129.2 | 70.3 | 67.3 | 58.8 | 30 | 16   | 84   | 14   | 32  |
| VTUS-30 | 144.9 | 83   | 80   | 69.4 | 36 | 19   | 91.2 | 17   | 38  |

| Type    | D1 ø | D2     | H1   | H2   | H3   | H4   | H6 | H8    | L3  | L4   | L5   | L6 |
|---------|------|--------|------|------|------|------|----|-------|-----|------|------|----|
| VTUS-20 | 4.5  | M4x6.5 | 73.4 | 57   | 33   | 9.7  | 18 | 87.4  | 6   | 25   | 22   | 1  |
| VTUS-25 | 5.5  | M4x9   | 84.5 | 60   | 34   | 13.5 | 20 | 112.4 | 6   | 29.8 | 27.5 | 1  |
| VTUS-30 | 6.3  | M5x11  | 99.5 | 72.5 | 42.5 | 17.5 | 26 | 151.6 | 7.5 | 34   | 32   | –  |

| Type    | Valve positions | 2   | 3     | 4   | 5     | 6   | 7     | 8   | 9     | 10  |
|---------|-----------------|-----|-------|-----|-------|-----|-------|-----|-------|-----|
| VTUS-20 | L1              | 72  | 94    | 116 | 138   | 160 | 182   | 204 | 226   | 248 |
|         | L2              | 60  | 82    | 104 | 126   | 148 | 170   | 192 | 214   | 236 |
| VTUS-25 | L1              | 87  | 114.5 | 142 | 169.5 | 197 | 224.5 | 252 | 279.5 | 307 |
|         | L2              | 75  | 102.5 | 130 | 157.5 | 185 | 212.5 | 240 | 267.5 | 295 |
| VTUS-30 | L1              | 100 | 132   | 164 | 196   | 228 | 260   | 292 | 324   | 356 |
|         | L2              | 85  | 117   | 149 | 181   | 213 | 245   | 277 | 309   | 341 |

Download CAD data → [www.festo.com](http://www.festo.com)

With 5/2-, 5/3-, and 2x 3/2-way valves, standard manifold block



- |                                                                                                                |                                                                                                       |                                                                                                                                  |                                                                                                                               |
|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <p>[1] Port 1, 3 and 5<br/>(on both sides):<br/>G3/8 for VTUS-20<br/>G1/2 for VTUS-25<br/>G3/4 for VTUS-30</p> | <p>[4] Thread for extension module:<br/>M5x15.5 for VTUS-20<br/>M5x18 for VTUS-25 and<br/>VTUS-30</p> | <p>[7] H-rail mounting VAME-T-M4 for<br/>VTUS-20<br/>VAME-T-M5 for VTUS-25<br/>VAME-T-M6 for VTUS-30</p>                         | <p>[10] 5/2-way single solenoid valve<br/>[11] 5/2-way double solenoid valve<br/>or 5/3-way valve or 2x 3/2-way<br/>valve</p> |
| <p>[3] Port 12 and 14<br/>(on both sides):<br/>G1/8 for VTUS-20, VTUS-25 and<br/>VTUS-30</p>                   | <p>[5] Port 2 and 4:<br/>G1/8 for VTUS-20<br/>G1/4 for VTUS-25<br/>G3/8 for VTUS-30</p>               | <p>[8] Cover plate<br/>[9] Supply plate.<br/>Port 1, 3 and 5:<br/>G1/8 for VTUS-20<br/>G1/4 for VTUS-25<br/>G3/8 for VTUS-30</p> |                                                                                                                               |
|                                                                                                                | <p>[6] Profile slot IPM-05 system 5</p>                                                               |                                                                                                                                  |                                                                                                                               |

## Technical data – Valve manifold assembly

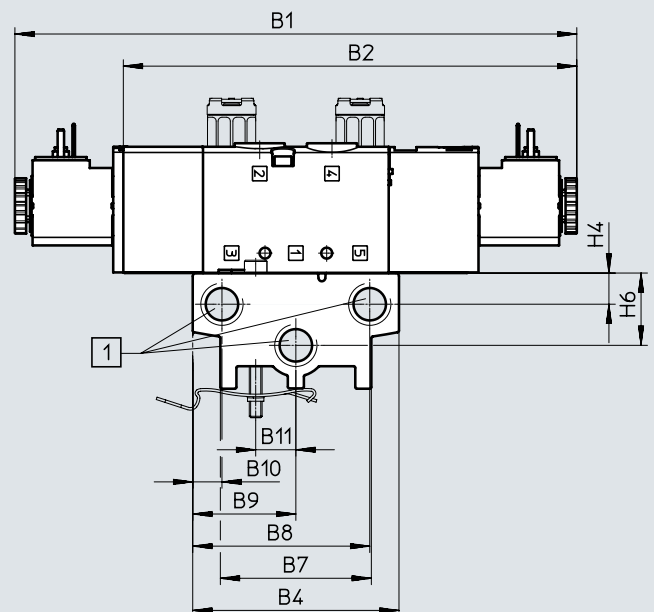
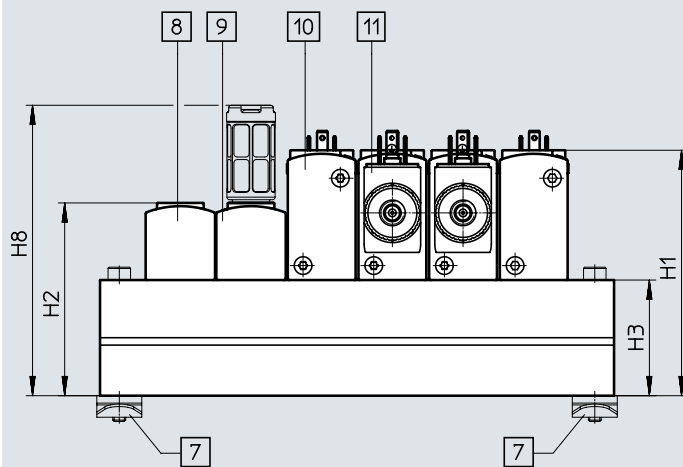
| Type    | B1    | B2    | B4  | B5    | B6    | B7  | B8    | B9 | B10  | B11  | B12  | B13  | B14  | B15 |
|---------|-------|-------|-----|-------|-------|-----|-------|----|------|------|------|------|------|-----|
| VTUS-20 | 174.9 | 141.2 | 110 | 100.5 | 97.5  | 73  | 81    | 55 | 29   | 12.5 | 75   | 75   | 42.5 | 25  |
| VTUS-25 | 200.3 | 162.2 | 126 | 119   | 113.5 | 80  | 95    | 63 | 31   | 16   | 84.2 | 84.2 | 47   | 32  |
| VTUS-30 | 220.3 | 180.7 | 144 | 137   | 129   | 104 | 111.5 | 72 | 32.5 | 19   | 91.2 | 91.2 | 38   | 25  |

| Type    | D1 Ø | D2     | H1   | H2 | H3 | H4   | H5 | H6   | H7  | H8    | L3  | L4   | L5   | L6 |
|---------|------|--------|------|----|----|------|----|------|-----|-------|-----|------|------|----|
| VTUS-20 | 4.5  | M4x6.5 | 77.4 | 61 | 37 | 23.5 | 22 | 18   | 8.5 | 91.4  | 6   | 25   | 22   | 1  |
| VTUS-25 | 5.5  | M4x9   | 95.5 | 71 | 45 | 25   | 22 | 22   | 9   | 123.4 | 6   | 29.8 | 27.5 | 1  |
| VTUS-30 | 6.3  | M5x11  | 118  | 91 | 61 | 35   | 22 | 28.5 | 9   | 170.1 | 7.5 | 34   | 32   | –  |

| Type    | Valve positions | 2   | 3     | 4   | 5     | 6   | 7     | 8   | 9     | 10  |
|---------|-----------------|-----|-------|-----|-------|-----|-------|-----|-------|-----|
| VTUS-20 | L1              | 72  | 94    | 116 | 138   | 160 | 182   | 204 | 226   | 248 |
|         | L2              | 60  | 82    | 104 | 126   | 148 | 170   | 192 | 214   | 236 |
| VTUS-25 | L1              | 87  | 114.5 | 142 | 169.5 | 197 | 224.5 | 252 | 279.5 | 307 |
|         | L2              | 75  | 102.5 | 130 | 157.5 | 185 | 212.5 | 240 | 267.5 | 295 |
| VTUS-30 | L1              | 100 | 132   | 164 | 196   | 228 | 260   | 292 | 324   | 356 |
|         | L2              | 85  | 117   | 149 | 181   | 213 | 245   | 277 | 309   | 341 |

Download CAD data → [www.festo.com](http://www.festo.com)

with 5/2-, 5/3-, and 2x 3/2-way valve, compact manifold block



- |                                                                                            |                                                                                                      |                                                                                                              |                                                                                                                           |
|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <p>[1] Port 1, 3 and 5:<br/>G1/4 for VTUS-20<br/>G3/8 for VTUS-25<br/>G1/2 for VTUS-30</p> | <p>[7] H-rail mounting VAME-T-M4 for VTUS-20<br/>VAME-T-M5 for VTUS-25<br/>VAME-T-M6 for VTUS-30</p> | <p>[9] Supply plate,<br/>port 1, 3 and 5:<br/>G1/8 for VTUS-20<br/>G1/4 for VTUS-25<br/>G3/8 for VTUS-30</p> | <p>[10] 5/2-way single solenoid valve<br/>[11] 5/2-way double solenoid valve<br/>or 5/3-way valve or 2x 3/2-way valve</p> |
| <p>[5] Port 2 and 4:<br/>G1/8 for VTUS-20<br/>G1/4 for VTUS-25<br/>G3/8 for VTUS-30</p>    | <p>[8] Cover plate</p>                                                                               |                                                                                                              |                                                                                                                           |

## Technical data – Valve manifold assembly

| Type    | B1    | B2    | B4   | B7   | B8   | B9   | B10  | B11  | B12  | B13  | B14  | B15 |
|---------|-------|-------|------|------|------|------|------|------|------|------|------|-----|
| VTUS-20 | 174.9 | 141.2 | 64.2 | 47   | 55.1 | 32.1 | 9.1  | 12.5 | 75   | 75   | 19.6 | 25  |
| VTUS-25 | 200.3 | 162.2 | 80.5 | 61.5 | 69   | 40.3 | 11.5 | 16   | 84.2 | 84.2 | 24.3 | 32  |
| VTUS-30 | 220.3 | 180.7 | 94   | 77   | 80.4 | 47   | 13.6 | 19   | 91.2 | 91.2 | 28   | 38  |

| Type    | D1 Ø | D2     | H1   | H2   | H3   | H4   | H6   | H8    | L3  | L4   | L5   | L6 |
|---------|------|--------|------|------|------|------|------|-------|-----|------|------|----|
| VTUS-20 | 4.5  | M4x6.5 | 76.4 | 60   | 36   | 9.7  | 22.5 | 90.4  | 6   | 25   | 22   | 1  |
| VTUS-25 | 5.5  | M4x9   | 84.5 | 60   | 34   | 13.5 | 20   | 112.4 | 6   | 29.8 | 27.5 | 1  |
| VTUS-30 | 6.3  | M5x11  | 99.5 | 72.5 | 42.5 | 17.5 | 26   | 151.6 | 7.5 | 34   | 32   | –  |

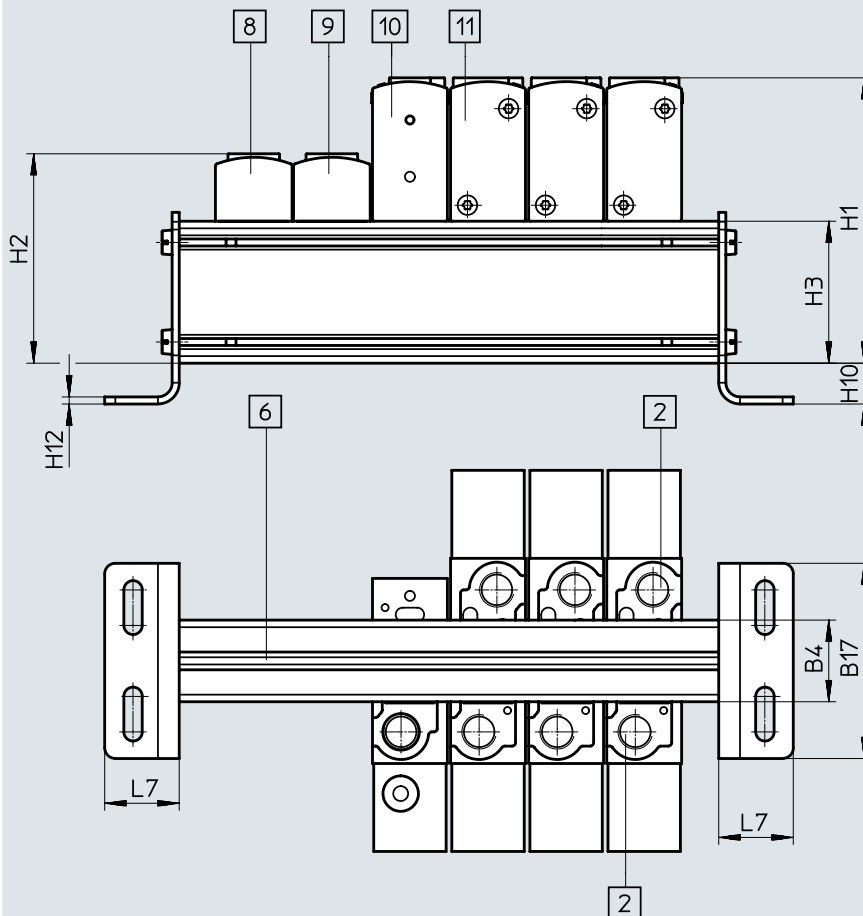
| Type    | Valve positions | 2   | 3     | 4   | 5     | 6   | 7     | 8   | 9     | 10  |
|---------|-----------------|-----|-------|-----|-------|-----|-------|-----|-------|-----|
| VTUS-20 | L1              | 72  | 94    | 116 | 138   | 160 | 182   | 204 | 226   | 248 |
|         | L2              | 60  | 82    | 104 | 126   | 148 | 170   | 192 | 214   | 236 |
| VTUS-25 | L1              | 87  | 114.5 | 142 | 169.5 | 197 | 224.5 | 252 | 279.5 | 307 |
|         | L2              | 75  | 102.5 | 130 | 157.5 | 185 | 212.5 | 240 | 267.5 | 295 |
| VTUS-30 | L1              | 100 | 132   | 164 | 196   | 228 | 260   | 292 | 324   | 356 |
|         | L2              | 85  | 117   | 149 | 181   | 213 | 245   | 277 | 309   | 341 |

# Technical data – Valve manifold assembly

## Dimensions – Common supply manifold

Download CAD data → [www.festo.com](http://www.festo.com)

Mounting on both sides



- |                                                                               |                                                                         |                                                                                                             |                                                                                                                                           |
|-------------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| [2] Port 3 and 5:<br>G1/8 for VTUS-20<br>G1/4 for VTUS-25<br>G3/4 for VTUS-30 | [3] Port 12/14:<br>M5 for VTUS-20<br>M5 for VTUS-25<br>G1/8 for VTUS-30 | [8] Cover plate<br>[9] Supply plate,<br>port 1:<br>G1/8 for VTUS-20<br>G1/4 for VTUS-25<br>G3/8 for VTUS-30 | [10] 3/2-way valve<br>[11] 5/2-way single solenoid valve<br>[12] 5/2-way double solenoid valve<br>or 5/3-way valve or 2x 3/2-way<br>valve |
| [6] Profile slot IPM-05 system 5                                              |                                                                         |                                                                                                             |                                                                                                                                           |

| Type    | B4   | B17 | H1    | H2 | H3 | H10  | H11 | H12 | L7 |
|---------|------|-----|-------|----|----|------|-----|-----|----|
| VTUS-20 | 23   | 55  | 80.4  | 59 | 40 | 11.5 | 6.3 | 2   | 21 |
| VTUS-25 | 28.7 | 75  | 102.5 | 78 | 52 | 18   | 6.7 | 2   | 24 |
| VTUS-30 | 34   | 85  | 122   | 95 | 65 | 17.5 | 6.7 | 2.5 | 26 |

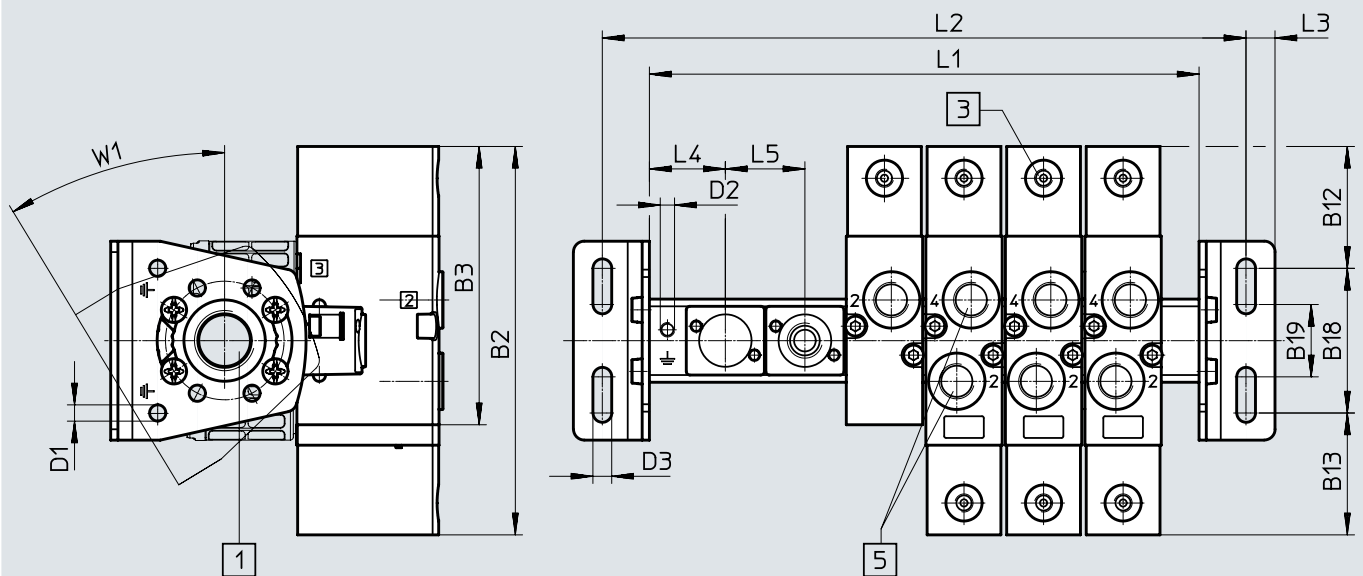


## Technical data – Valve manifold assembly

## Dimensions – Common supply manifold

Download CAD data → [www.festo.com](http://www.festo.com)

Mounting on both sides



[1] Port 1 (on both sides):

G3/8 for VTUS-20

G1/2 for VTUS-25

G3/4 for VTUS-30

[5] Port 2 and 4:

G1/8 for VTUS-20

G1/4 for VTUS-25

G3/8 for VTUS-30

**Note**Mounting bracket can be adjusted through  $\pm 30^\circ$ .

## Technical data – Valve manifold assembly

| Type    | B1    | B2    | B3    | B12  | B13  | B18 | B19 |
|---------|-------|-------|-------|------|------|-----|-----|
| VTUS-20 | 174.9 | 141.2 | 110.7 | 67.5 | 67.5 | 40  | 20  |
| VTUS-25 | 200.3 | 162.2 | 129.2 | 70.2 | 70.2 | 60  | 35  |
| VTUS-30 | 220.3 | 180.7 | 144.9 | 77.7 | 77.7 | 65  | 35  |

| Type    | D1 ø | D2     | D3 ø | L3 | L4   | L5   | W1  |
|---------|------|--------|------|----|------|------|-----|
| VTUS-20 | 4.5  | M4x6.5 | 5.2  | 8  | 21   | 22   | 30° |
| VTUS-25 | 4.5  | M4x9   | 6.6  | 8  | 29.8 | 27.5 | 30° |
| VTUS-30 | 5.5  | M5x11  | 8.6  | 9  | 34   | 32   | 30° |

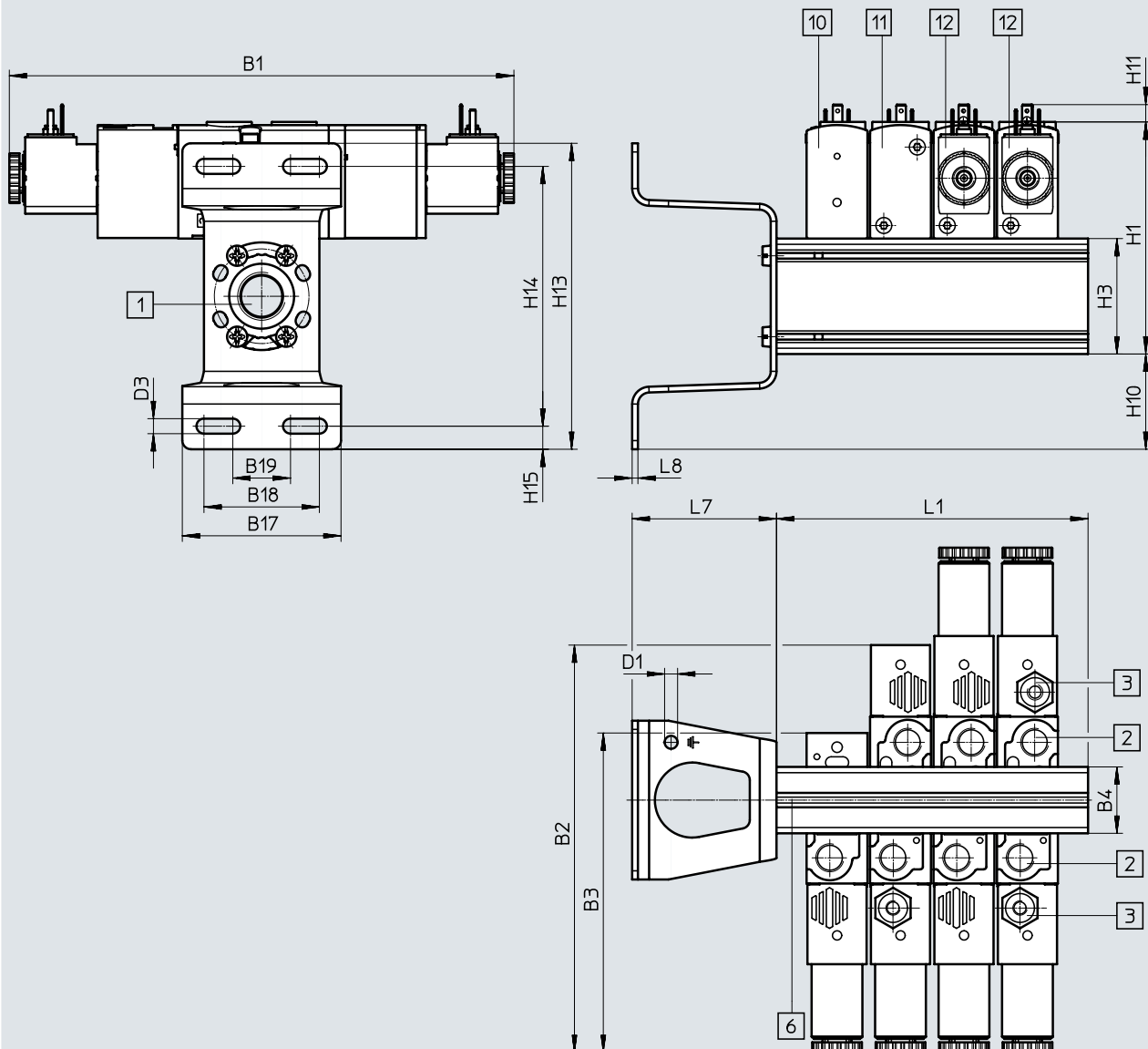
| Type    | Valve positions | 2   | 3     | 4   | 5     | 6   | 7     | 8   | 9     | 10  |
|---------|-----------------|-----|-------|-----|-------|-----|-------|-----|-------|-----|
| VTUS-20 | L1              | 64  | 86    | 108 | 130   | 152 | 174   | 196 | 218   | 240 |
|         | L2              | 90  | 112   | 134 | 156   | 178 | 200   | 222 | 244   | 266 |
| VTUS-25 | L1              | 87  | 114.5 | 142 | 169.5 | 197 | 224.5 | 252 | 279.5 | 307 |
|         | L2              | 119 | 146.5 | 174 | 201.5 | 229 | 256.5 | 284 | 311.5 | 339 |
| VTUS-30 | L1              | 100 | 132   | 164 | 196   | 228 | 260   | 292 | 324   | 356 |
|         | L2              | 134 | 166   | 198 | 230   | 262 | 294   | 326 | 358   | 390 |

## Technical data – Valve manifold assembly

## Dimensions – Common supply manifold

Download CAD data → [www.festo.com](http://www.festo.com)

Mounting on one side



[1] Port 1 (at both sides): G3/8 for VTUS-20  
G1/2 for VTUS-25  
G3/4 for VTUS-30

[2] Port 3 and 5:  
G1/8 for VTUS-20  
G1/4 for VTUS-25  
G3/8 for VTUS-30

[3] Port 12 and 14:  
M5 for VTUS-20 and VTUS-25  
G1/8 for VTUS-30

[6] Profile slot IPM-05 system 5

[10] 3/2-way valve

[11] 5/2-way single solenoid valve

[12] 5/2-way double solenoid valve  
or 5/3-way valve or 2x 3/2-way valve



**Note**

Mounting bracket can be adjusted through  $\pm 30^\circ$ .

## Technical data – Valve manifold assembly

| Type    | B1    | B2    | B4   | B17 | B18 | B19 |
|---------|-------|-------|------|-----|-----|-----|
| VTUS-20 | 174.9 | 110.7 | 23   | 55  | 40  | 20  |
| VTUS-25 | 200.3 | 129.2 | 28.7 | 80  | 60  | 35  |
| VTUS-30 | 220.3 | 144.9 | 34   | 85  | 65  | 35  |

| Type    | D1 ø | D3 ø | H1    | H3 | H10 | H11 | H13 | H14 | H15 | L7 | L8  |
|---------|------|------|-------|----|-----|-----|-----|-----|-----|----|-----|
| VTUS-20 | 4.5  | 5.2  | 80.4  | 40 | 33  | 6.3 | 106 | 90  | 8   | 50 | 2   |
| VTUS-25 | 4.5  | 6.6  | 102.5 | 52 | 38  | 6.7 | 128 | 112 | 8   | 64 | 2   |
| VTUS-30 | 5.5  | 8.6  | 122   | 65 | 38  | 6.7 | 146 | 128 | 9   | 74 | 2.5 |

| Type    | Valve positions | 2   | 3     | 4   |
|---------|-----------------|-----|-------|-----|
| VTUS-20 | L1              | 64  | 86    | 108 |
| VTUS-25 | L1              | 87  | 114.5 | 142 |
| VTUS-30 | L1              | 100 | 132   | 164 |

## Type codes – Solenoid valves

|             |                                                           |  |
|-------------|-----------------------------------------------------------|--|
| <b>001</b>  | <b>Series</b>                                             |  |
| <b>VUVS</b> | Solenoid valve, universal                                 |  |
| <b>002</b>  | <b>Directional control valve type</b>                     |  |
| <b>L</b>    | In-line valve                                             |  |
| <b>003</b>  | <b>Design principle</b>                                   |  |
|             | Piston spool                                              |  |
| <b>K</b>    | Piston spool with sealing ring                            |  |
| <b>T</b>    | Poppet valve                                              |  |
| <b>004</b>  | <b>Size</b>                                               |  |
| <b>20</b>   | Size 20                                                   |  |
| <b>25</b>   | Size 25                                                   |  |
| <b>30</b>   | Size 30                                                   |  |
| <b>005</b>  | <b>Valve function</b>                                     |  |
| <b>M32U</b> | 3/2-way valve, normally open                              |  |
| <b>M32C</b> | 3/2-way valve, normally closed                            |  |
| <b>T32U</b> | 2x3/2-way valve, normally open                            |  |
| <b>T32C</b> | 2x3/2-way valve, normally closed                          |  |
| <b>T32H</b> | 2x3/2-way valve, 1x normally closed, 1x normally open     |  |
| <b>M52</b>  | 5/2-way valve, single solenoid/monostable                 |  |
| <b>B52</b>  | 5/2-way valve, double solenoid/bistable                   |  |
| <b>P53U</b> | 5/3-way valve, mid-position pressurised                   |  |
| <b>P53E</b> | 5/3-way valve, mid-position exhausted                     |  |
| <b>P53C</b> | 5/3-way valve, mid-position closed                        |  |
| <b>006</b>  | <b>Reset method for monostable/single solenoid valves</b> |  |
|             | None                                                      |  |
| <b>A</b>    | Pneumatic spring                                          |  |
| <b>M</b>    | Mechanical spring                                         |  |
| <b>007</b>  | <b>Pilot air</b>                                          |  |
|             | Internal                                                  |  |
| <b>Z</b>    | External                                                  |  |
| <b>008</b>  | <b>Manual override</b>                                    |  |
| <b>D</b>    | Non-detenting, detenting                                  |  |
| <b>H</b>    | Non-detenting                                             |  |
| <b>S</b>    | Covered                                                   |  |
| <b>009</b>  | <b>Pneumatic connection</b>                               |  |
| <b>G18</b>  | G1/8                                                      |  |
| <b>G14</b>  | G1/4                                                      |  |
| <b>G38</b>  | G3/8                                                      |  |
| <b>N18</b>  | 1/8 NPT                                                   |  |
| <b>N14</b>  | 1/4 NPT                                                   |  |
| <b>N38</b>  | 3/8 NPT                                                   |  |
| <b>Q4</b>   | Push-in connector 4 mm                                    |  |
| <b>Q6</b>   | Push-in connector 6 mm                                    |  |
| <b>Q8</b>   | Push-in connector 8 mm                                    |  |
| <b>Q10</b>  | Push-in connector 10 mm                                   |  |
| <b>Q12</b>  | Push-in connector 12 mm                                   |  |
| <b>T532</b> | Push-in connector 5/32"                                   |  |
| <b>T14</b>  | Push-in connector 1/4"                                    |  |
| <b>T38</b>  | Push-in connector 3/8"                                    |  |
| <b>T516</b> | Push-in connector 5/16"                                   |  |
| <b>T12</b>  | Push-in connector 1/2"                                    |  |

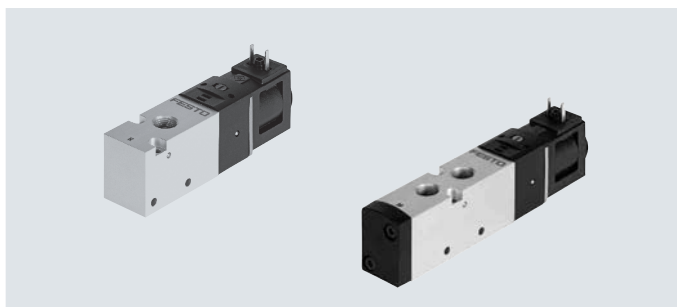
|            |                                                |  |
|------------|------------------------------------------------|--|
| <b>010</b> | <b>Exhaust</b>                                 |  |
|            | No fitting                                     |  |
| <b>QN</b>  | With fitting                                   |  |
| <b>U1</b>  | Silencer with metallic housing                 |  |
| <b>U3</b>  | Silencer with polymer housing                  |  |
| <b>U5</b>  | Sintered silencer, long                        |  |
| <b>011</b> | <b>Valve pilot control interface</b>           |  |
| <b>F7</b>  | With armature tube 8 mm, short                 |  |
| <b>F8</b>  | With armature tube 8 mm, long                  |  |
|            | Standard                                       |  |
| <b>012</b> | <b>Nominal operating voltage</b>               |  |
|            | None                                           |  |
| <b>1</b>   | 24 V DC                                        |  |
| <b>5</b>   | 12 V DC                                        |  |
| <b>1A</b>  | 24 V AC/50-60 Hz                               |  |
| <b>16B</b> | 120 V AC/60 Hz and 110V AC/50-60 Hz            |  |
| <b>3A</b>  | 230 V AC/50-60 Hz                              |  |
| <b>3W</b>  | 230 V AC/240 V AC/50-60 Hz                     |  |
| <b>013</b> | <b>Electrical connection</b>                   |  |
|            | None                                           |  |
| <b>A1</b>  | Connection pattern type A, to EN 175 301       |  |
| <b>B2</b>  | Connection pattern type B, industry standard   |  |
| <b>C1</b>  | Connection pattern type C, to EN 175 301       |  |
| <b>014</b> | <b>Degree of protection, electrical system</b> |  |
|            | Standard                                       |  |
| <b>S8</b>  | IP67                                           |  |
| <b>015</b> | <b>EU certification</b>                        |  |
|            | None                                           |  |
| <b>EX2</b> | II 3GD                                         |  |
| <b>016</b> | <b>Electrical valve accessories</b>            |  |
| <b>G</b>   | Connector socket, without LED                  |  |
|            | None                                           |  |
| <b>GS</b>  | Connector socket, with protective circuit      |  |
| <b>017</b> | <b>Version</b>                                 |  |
|            | Expanded properties                            |  |
| <b>S</b>   | Focused properties                             |  |

## Technical data

-  - Flow rate  
up to 550 l/min

-  - Valve width  
21 mm

-  - Voltage  
24 V DC



| General technical data                    |               |                                                 |               |
|-------------------------------------------|---------------|-------------------------------------------------|---------------|
| Valve function                            |               | 3/2-way valve                                   | 5/2-way valve |
| Order code for valves                     |               | M32C                                            | M52           |
|                                           |               |                                                 | B52           |
| Valve width                               | [mm]          | 21                                              |               |
| Nominal width                             | Diameter [mm] | 5.2                                             |               |
| Design                                    |               | Piston spool                                    |               |
| Flow direction                            |               | Non-reversible                                  |               |
| Pilot air supply                          |               | Internal                                        |               |
| Type of control                           |               | Piloted                                         |               |
| Manual override                           |               | Non-detenting, detenting                        |               |
| Overlap                                   |               | Positive overlap                                |               |
| Sealing principle                         |               | Soft                                            |               |
| Type of mounting                          |               | Optionally via through-hole or on manifold rail |               |
| Standard nominal flow rate q <sub>N</sub> | [l/min]       | 550                                             | 550           |
| Actuation type                            |               | Electric                                        |               |
| Mounting position                         |               | Any                                             |               |
| Exhaust air function                      |               | Can be throttled                                |               |
| Connection for venting hole               |               | Not ducted                                      |               |
| b value                                   |               | 0.38                                            |               |
| c value                                   | [l/sbar]      | 2.66                                            |               |
| Pneumatic connection                      | 1, 2, 3       | G1/8                                            | G1/8          |
|                                           | 4, 5          | –                                               | G1/8          |

| Technical data – 3/2-way valves                   |             |                  |
|---------------------------------------------------|-------------|------------------|
| Order code for valves                             |             | M32C             |
| Normal position                                   |             | Closed           |
| Stable position                                   |             | Monostable       |
| Reset method                                      |             | Pneumatic spring |
| Switching times in [ms]                           | On          | 16               |
|                                                   | Off         | 20               |
|                                                   | Change over | –                |
| Product weight with solenoid coil                 | [g]         | 120              |
| Product weight with solenoid coil and plug socket | [g]         | 133              |

## Technical data

| Technical data – 5/2-way valves                   |             |                  |          |
|---------------------------------------------------|-------------|------------------|----------|
| Order code for valves                             |             | M52              | B52      |
| Normal position                                   |             | –                | –        |
| Stable position                                   |             | Monostable       | Bistable |
| Reset method                                      |             | Pneumatic spring | –        |
| Switching times in [ms]                           | On          | 17               | –        |
|                                                   | Off         | 22               | –        |
|                                                   | Change over | –                | 10       |
| Product weight with solenoid coil                 | [g]         | 145              | 200      |
| Product weight with solenoid coil and plug socket | [g]         | 158              | 226      |

| Safety data                           |                                                                                  |      |
|---------------------------------------|----------------------------------------------------------------------------------|------|
| Max. positive test pulse with logic 0 | [is]                                                                             | 2700 |
| Max. negative test pulse with logic 1 | [is]                                                                             | 1100 |
| Shock resistance                      | Shock test with severity level 1 to FN 942017-5 and EN 60068-2-27                |      |
| Vibration resistance                  | Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 |      |

| Operating and environmental conditions       |       |                                                                                            |              |              |
|----------------------------------------------|-------|--------------------------------------------------------------------------------------------|--------------|--------------|
| Order code for valves                        |       | M32C                                                                                       | M52          | B52          |
| Operating medium                             |       | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |              |              |
| Pilot medium                                 |       | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |              |              |
| Note on operating/pilot medium               |       | Lubricated operation possible (in which case lubricated operation will always be required) |              |              |
| Operating pressure                           | [MPa] | 0.15 ... 0.8                                                                               | 0.15 ... 0.8 | 0.15 ... 0.8 |
|                                              | [bar] | 1.5 ... 8                                                                                  | 1.5 ... 8    | 1.5 ... 8    |
| Ambient temperature                          | [°C]  | –5 ... +50                                                                                 |              |              |
| Temperature of medium                        | [°C]  | –5 ... +50                                                                                 |              |              |
| Corrosion resistance class CRC <sup>1)</sup> |       | 1                                                                                          |              |              |

1) Corrosion resistance class CRC 1 to Festo standard FN 940070

Low corrosion stress. Dry indoor application or transport and storage protection. Also applies to parts behind coverings, in the non-visible interior area, and parts which are covered in the application (e.g. drive trunnions).

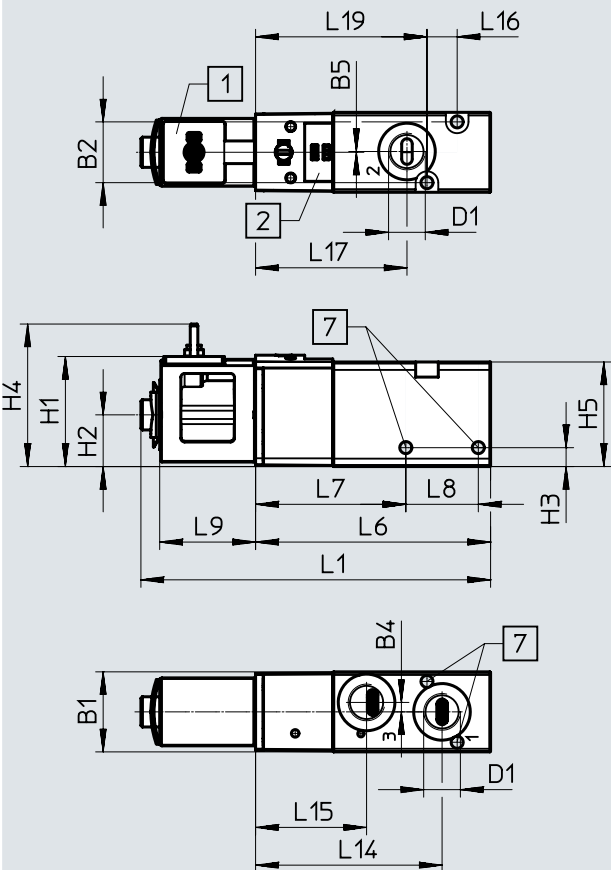
| Electrical data                  |                              |
|----------------------------------|------------------------------|
| Electrical connection            | Plug type C to EN 175301-803 |
| Operating voltage                | [V DC] 24                    |
| Permissible voltage fluctuations | [%] ±10                      |
| Power                            | [W] 2.6                      |
| Duty cycle                       | [%] 100                      |
| Degree of protection to EN 60529 | IP65 with plug socket        |

| Materials         |                                              |
|-------------------|----------------------------------------------|
| Housing           | Wrought aluminium alloy                      |
| Seals             | HNBR, NBR                                    |
| Piston spool      | Wrought aluminium alloy                      |
| Note on materials | RoHS-compliant                               |
|                   | Contains paint-wetting impairment substances |

Technical data

Dimensions Download CAD data → [www.festo.com](http://www.festo.com)

3/2-way valves, with solenoid coil



[1] Solenoid coil interface type C      [2] Space for inscription label      [3] For screw M3      [4] For screw M4

| Type                        | B1   | B2   | B4  | B5  | D1   | H1   | H2   | H3  | H4   | H5   |
|-----------------------------|------|------|-----|-----|------|------|------|-----|------|------|
| VUVS-LK20-M32C-AD-G18-1C1-S | 21.2 | 16.1 | 2.5 | 0.2 | G1/8 | 29.2 | 13.7 | 4.5 | 37.8 | 27.7 |

| Type                        | L1   | L6   | L7   | L8 | L9   | L14  | L15  | L16 | L17  | L19  |
|-----------------------------|------|------|------|----|------|------|------|-----|------|------|
| VUVS-LK20-M32C-AD-G18-1C1-S | 92.7 | 62.3 | 39.4 | 20 | 25.4 | 49.4 | 29.4 | 8   | 40.1 | 45.4 |

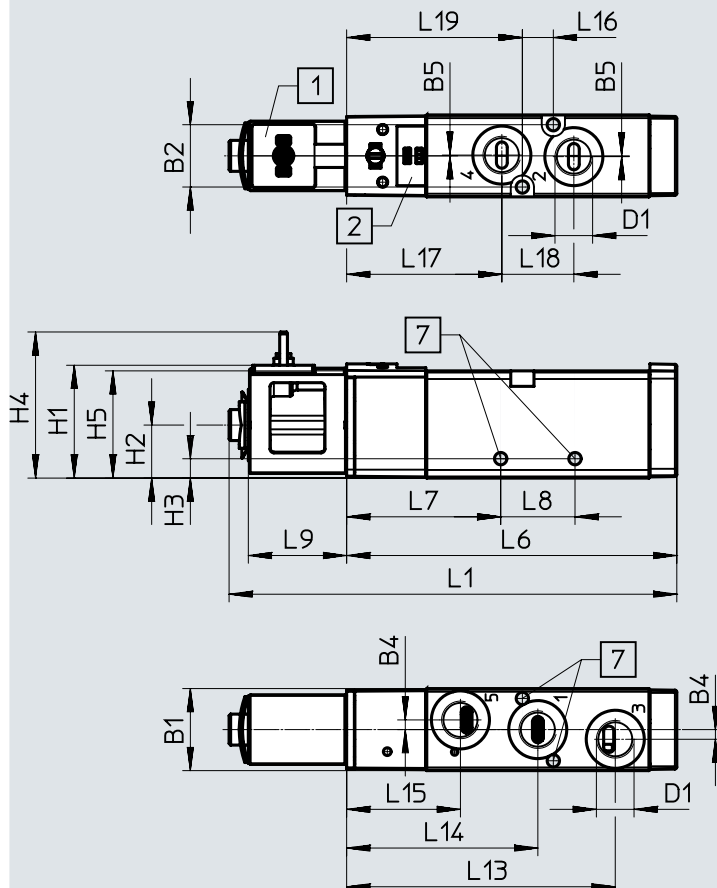


## Technical data

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

5/2-way single solenoid valves, with solenoid coil



[1] Solenoid coil interface type C

[2] Space for inscription label

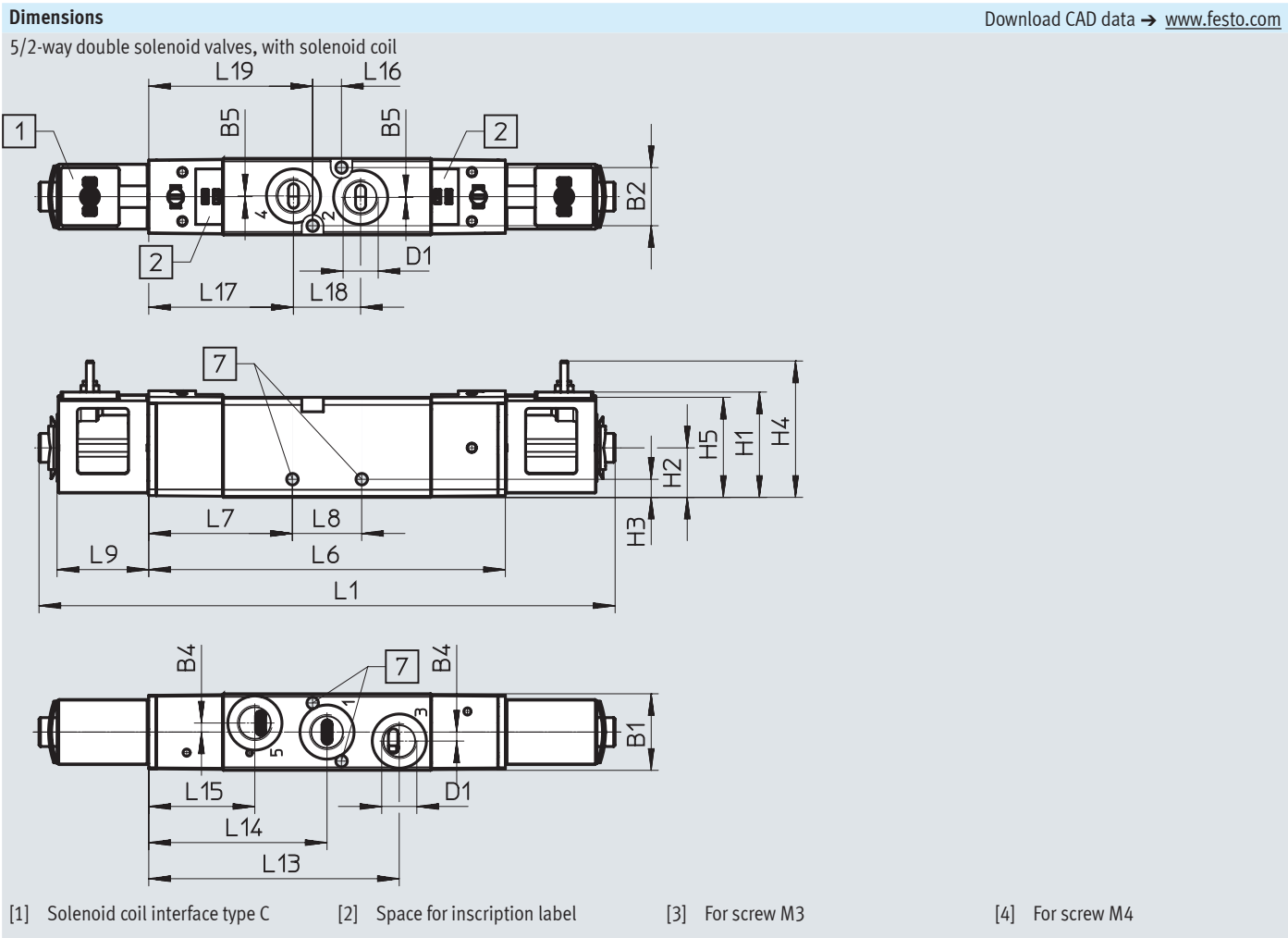
[3] For screw M3

[4] For screw M4

| Type                       | B1   | B2   | B4  | B5  | D1   | H1   | H2   | H3  | H4   | H5   |
|----------------------------|------|------|-----|-----|------|------|------|-----|------|------|
| VUVS-LK20-M52-AD-G18-1C1-S | 21.2 | 16.2 | 2.5 | 0.2 | G1/8 | 29.2 | 13.7 | 4.5 | 37.8 | 27.7 |

| Type                       | L1    | L6   | L7   | L8 | L9   | L13  | L14  | L15  | L16 | L17  | L18  | L19  |
|----------------------------|-------|------|------|----|------|------|------|------|-----|------|------|------|
| VUVS-LK20-M52-AD-G18-1C1-S | 115.7 | 85.3 | 39.4 | 20 | 25.4 | 69.4 | 49.4 | 29.4 | 8   | 40.1 | 18.6 | 45.4 |

Technical data



| Type                      | B1   | B2   | B4  | B5  | D1   | H1   | H2   | H3  | H4   | H5   |
|---------------------------|------|------|-----|-----|------|------|------|-----|------|------|
| VUVS-LK20-B52-D-G18-1C1-S | 21.2 | 16.1 | 2.5 | 0.2 | G1/8 | 29.2 | 13.7 | 4.5 | 37.8 | 27.7 |

| Type                      | L1    | L6   | L7   | L8 | L9   | L13  |
|---------------------------|-------|------|------|----|------|------|
| VUVS-LK20-B52-D-G18-1C1-S | 159.7 | 98.8 | 39.4 | 20 | 25.4 | 69.4 |

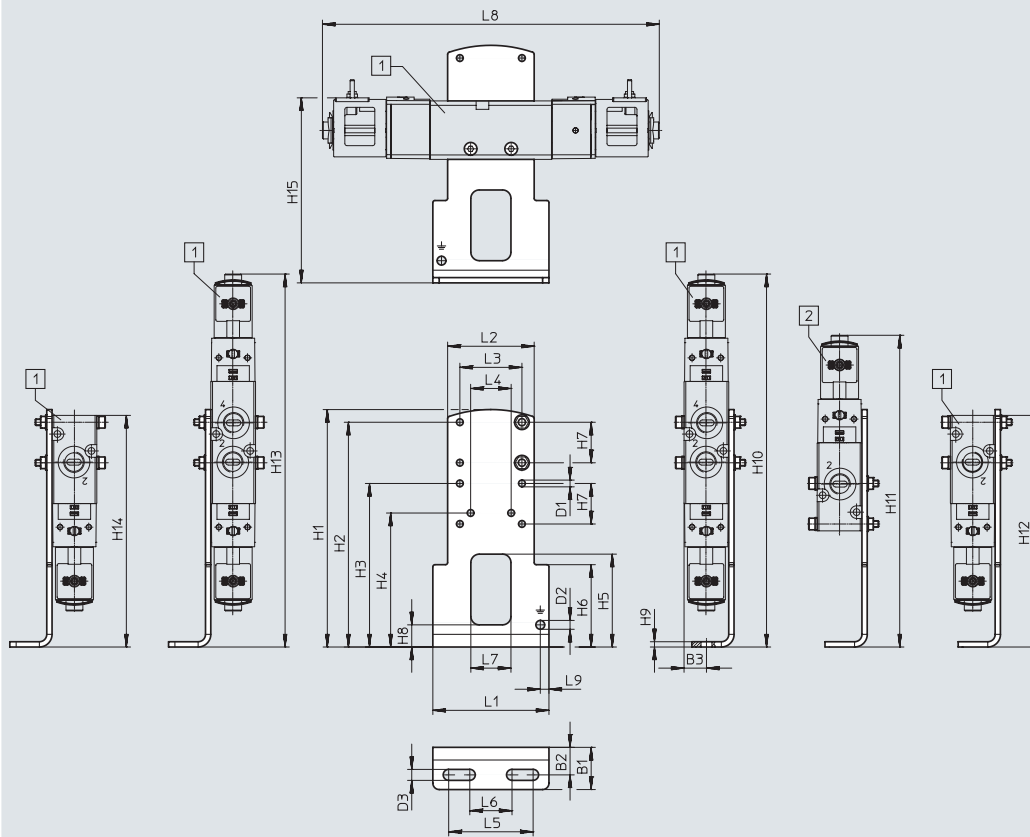
| Type                      | L14  | L15  | L16 | L17  | L18  | L19  |
|---------------------------|------|------|-----|------|------|------|
| VUVS-LK20-B52-D-G18-1C1-S | 49.4 | 29.4 | 8   | 40.1 | 18.6 | 45.4 |

## Accessories

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

## Foot mounting



[1] VUVS-LK20-B52,  
VUVS-LK20-M52,  
VUVS-LK20-M32

[2] VUVS-LK20-M52,  
VUVS-LK20-M32

| Type          |               | B1 | B2   | B3   | D1<br>Ø | D2<br>Ø | D3  | H1    | H2    | H3   | H4   |
|---------------|---------------|----|------|------|---------|---------|-----|-------|-------|------|------|
| VAME-B10-20-A | VUVS-LK20-B52 | 20 | 13.1 | 10.6 | 3.2     | 4.2     | 5.2 | 112.5 | 106.5 | 77.5 | 63.5 |
|               | VUVS-LK20-M52 |    |      |      |         |         |     |       |       |      |      |
|               | VUVS-LK20-M32 |    |      |      |         |         |     |       |       |      |      |

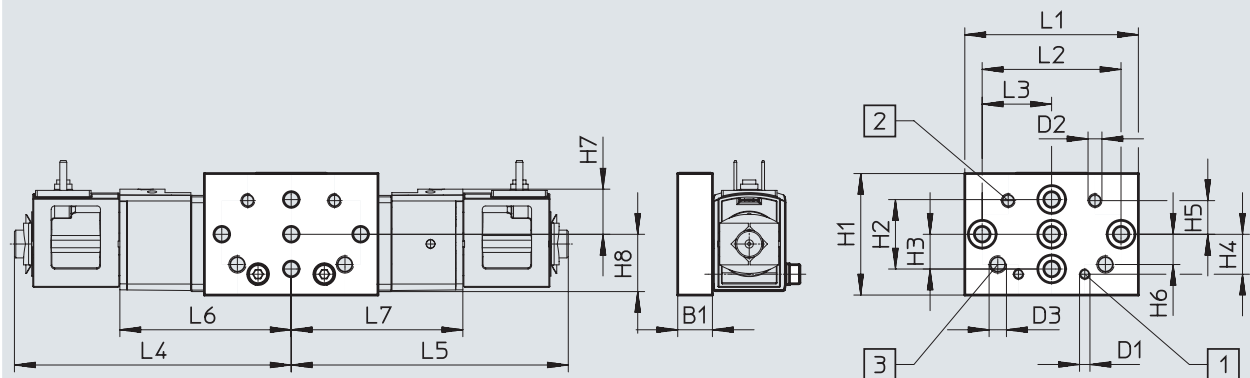
| Type          |               | H5 | H6 | H7   | H8   | H9  | H10   | H11   | H12   | H13   | H14   |
|---------------|---------------|----|----|------|------|-----|-------|-------|-------|-------|-------|
| VAME-B10-20-A | VUVS-LK20-B52 | 44 | 39 | 19.2 | 10.5 | 2.5 | 176.7 | –     | 176.7 | 176.7 | 176.7 |
|               | VUVS-LK20-M52 |    |    |      |      |     |       | 147.7 | 132.8 |       | 132.8 |
|               | VUVS-LK20-M32 |    |    |      |      |     |       |       | 109.8 |       | 109.8 |

| Type          |               | H15  | L1 | L2 | L3   | L4   | L5 | L6 | L7 | L8    | L9  |
|---------------|---------------|------|----|----|------|------|----|----|----|-------|-----|
| VAME-B10-20-A | VUVS-LK20-B52 | 87.7 | 55 | 41 | 29.4 | 19.2 | 40 | 20 | 19 | 174.9 | 4.1 |
|               | VUVS-LK20-M52 |      |    |    |      |      |    |    |    | 141.2 |     |
|               | VUVS-LK20-M32 |      |    |    |      |      |    |    |    | 110.7 |     |

Accessories

Dimensions Download CAD data → [www.festo.com](http://www.festo.com)

Wall mounting



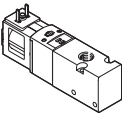
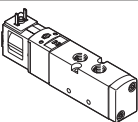
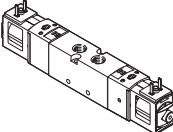
[1] Mounting hole for size 20      [2] Mounting hole for size 25      [3] Mounting hole for size 30

| Type          |               | B1 | D1 | D2 | D3 | H1 | H2 | H3 | H4   | H5  | H6  |
|---------------|---------------|----|----|----|----|----|----|----|------|-----|-----|
| VAME-B10-20-W | VUVS-LK20-B52 | 10 | M3 | M4 | M5 | 35 | 20 | 10 | 11.5 | 9.7 | 8.7 |
|               | VUVS-LK20-M52 |    |    |    |    |    |    |    |      |     |     |
|               | VUVS-LK20-M32 |    |    |    |    |    |    |    |      |     |     |

| Type          |               | H7 | H8   | L1 | L2 | L3 | L4   | L5   | L6   | L7   |
|---------------|---------------|----|------|----|----|----|------|------|------|------|
| VAME-B10-20-W | VUVS-LK20-B52 | 13 | 16.5 | 50 | 40 | 20 | 79.8 | 79.8 | 49.4 | 49.4 |
|               | VUVS-LK20-M52 |    |      |    |    |    |      | 35.9 |      | -    |
|               | VUVS-LK20-M32 |    |      |    |    |    |      | 12.9 |      | -    |

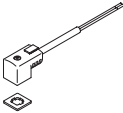
## Accessories

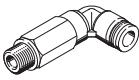
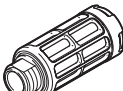
## ★ Core product range

| Ordering data                                                                     |                                          |                                                                                            |                |           |                             |
|-----------------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------------------------------------|----------------|-----------|-----------------------------|
|                                                                                   | Code                                     |                                                                                            | Valve function | Part no.  | Type                        |
| 3/2-way valve with solenoid coil (24 V DC)                                        |                                          |                                                                                            |                |           |                             |
|  | Single solenoid, normally closed, type C |                                                                                            |                | ★ 8043213 | VUVS-LK20-M32C-AD-G18-1C1-S |
|                                                                                   | M32C-A                                   | Reset via pneumatic spring,<br>internal pilot air supply,<br>flow direction not reversible |                |           |                             |
| 5/2-way valve with solenoid coil (24 V DC)                                        |                                          |                                                                                            |                |           |                             |
|  | Single solenoid, type C                  |                                                                                            |                | ★ 8043214 | VUVS-LK20-M52-AD-G18-1C1-S  |
|                                                                                   | M52-A                                    | Reset via pneumatic spring,<br>internal pilot air supply,<br>flow direction not reversible |                |           |                             |
|  | Double solenoid, type C                  |                                                                                            |                | ★ 8043215 | VUVS-LK20-B52-D-G18-1C1-S   |
|                                                                                   | B52                                      | Internal pilot air supply,<br>flow direction not reversible                                |                |           |                             |

| Ordering data                                                                       |                                               |                     |                   |          |                   |               |
|-------------------------------------------------------------------------------------|-----------------------------------------------|---------------------|-------------------|----------|-------------------|---------------|
|                                                                                     | Description                                   |                     |                   | Part no. | Type              |               |
| Cover cap                                                                           |                                               |                     |                   |          |                   |               |
|  | For manual override, non-detenting or covered |                     |                   | 8049538  | VAMC-B10-20-CH2-S |               |
| Plug socket                                                                         |                                               |                     |                   |          |                   |               |
|  | Plug pattern type C, to DIN EN 175301-803     |                     |                   |          |                   |               |
|                                                                                     | 3-pin, screw terminal                         | Cable connector M12 | 0 ... 250 V AC/DC | IP65     | 539712            | MSSD-EB-M12   |
|                                                                                     |                                               | Cable connector Pg7 |                   |          | ★ 151687          | MSSD-EB       |
|                                                                                     | 4-pin, insulation displacement connector      | Cable connector M14 | 0 ... 250 V AC/DC | IP67     | 192745            | MSSD-EB-S-M14 |

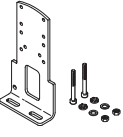
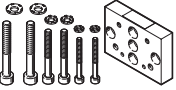
## Accessories

| Ordering data                                                                    |                                                 |          |     |        |          |                   |
|----------------------------------------------------------------------------------|-------------------------------------------------|----------|-----|--------|----------|-------------------|
| Description                                                                      |                                                 | Part no. |     | Type   |          |                   |
| Plug socket with cable                                                           |                                                 |          |     |        |          |                   |
|  | Plug pattern type C, to DIN EN 175301-803       |          |     |        |          |                   |
|                                                                                  | Angled socket, 3-pin<br>Cable, open end, 3-wire | 24 V DC  | LED | 2.5 m  | ★ 151688 | KMEB-1-24-2.5-LED |
|                                                                                  |                                                 |          |     | 5 m    | 151689   | KMEB-1-24-5-LED   |
|                                                                                  |                                                 |          |     | 10 m   | 193457   | KMEB-1-24-10-LED  |
| Illuminating seal                                                                |                                                 |          |     |        |          |                   |
|  | Plug pattern type C, to DIN EN 175301-803       | 24 V DC  |     | 151717 |          | MEB-LD-12-24DC    |

| Ordering data                                                                      |                                          | Description |          | Part no.        | Type | PU <sup>1)</sup> |
|------------------------------------------------------------------------------------|------------------------------------------|-------------|----------|-----------------|------|------------------|
| Push-in fitting with internal hex                                                  |                                          |             |          |                 |      |                  |
|    | Connecting thread G1/8 for tubing O.D.   | 4 mm        | ★ 186106 | QS-G1/8-4-I     | 10   |                  |
|                                                                                    |                                          |             | 133008   | QS-G1/8-4-I-100 | 100  |                  |
|                                                                                    |                                          | 6 mm        | ★ 186107 | QS-G1/8-6-I     | 10   |                  |
|                                                                                    |                                          |             | 133009   | QS-G1/8-6-I-100 | 100  |                  |
|                                                                                    |                                          | 8 mm        | ★ 186109 | QS-G1/8-8-I     | 10   |                  |
|                                                                                    |                                          |             | 133010   | QS-G1/8-8-I-100 | 100  |                  |
| Angled push-in fitting with external hex                                           |                                          |             |          |                 |      |                  |
|   | Connecting thread G1/8 for tubing O.D.   | 4 mm        | ★ 186116 | QSL-G1/8-4      | 10   |                  |
|                                                                                    |                                          |             | 132048   | QSL-G1/8-4-100  | 100  |                  |
|                                                                                    |                                          | 6 mm        | ★ 186117 | QSL-G1/8-6      | 10   |                  |
|                                                                                    |                                          |             | 132049   | QSL-G1/8-6-100  | 100  |                  |
|                                                                                    |                                          | 8 mm        | ★ 186119 | QSL-G1/8-8      | 10   |                  |
|                                                                                    |                                          |             | 132050   | QSL-G1/8-8-50   | 50   |                  |
| Angled push-in fitting, long, with external hex                                    |                                          |             |          |                 |      |                  |
|  | Connecting thread G1/8 for tubing O.D.   | 4 mm        | 186127   | QSL-G1/8-4      | 10   |                  |
|                                                                                    |                                          |             | 133015   | QSL-G1/8-4-100  | 100  |                  |
|                                                                                    |                                          | 6 mm        | 186128   | QSL-G1/8-6      | 10   |                  |
|                                                                                    |                                          |             | 133016   | QSL-G1/8-6-100  | 100  |                  |
|                                                                                    |                                          | 8 mm        | 186130   | QSL-G1/8-8      | 10   |                  |
|                                                                                    |                                          |             | 133017   | QSL-G1/8-8-100  | 100  |                  |
| Silencer                                                                           |                                          |             |          |                 |      |                  |
|  | With connecting thread G, polymer design | G1/8        | ★ 2307   | U-1/8           | 1    |                  |
|                                                                                    |                                          |             | 534222   | U-1/8-50        | 50   |                  |
|  | With connecting thread G, metal design   | G1/8        | 6841     | U-1/8-B         | 1    |                  |

1) Packaging unit

## Accessories

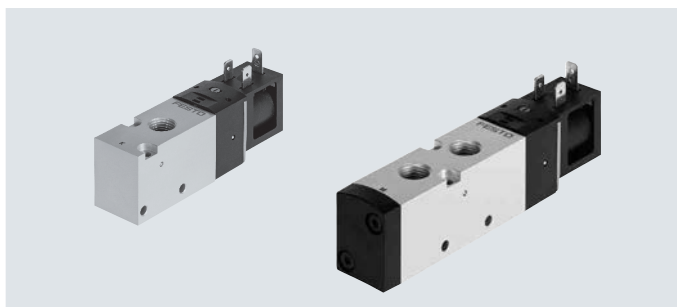
| Ordering data                                                                      | Description                                                                       | Weight [g] | Part no. | Type           |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------|----------|----------------|
| <b>Foot mounting</b>                                                               |                                                                                   |            |          |                |
|   | With screw set for attaching the valve to the foot mounting                       | 97         | 576412   | VAME-B10-20-A  |
| <b>Wall mounting</b>                                                               |                                                                                   |            |          |                |
|   | With screw set for attaching the valve to the wall mounting                       | 53         | 576413   | VAME-B10-20-W  |
| <b>Assortment of spare parts</b>                                                   |                                                                                   |            |          |                |
|   | Set comprising seals and screws                                                   | 10         | 8026203  | VAME-B10-20-MK |
| <b>Screw set</b>                                                                   |                                                                                   |            |          |                |
|   | For mounting valves VUVS-LK on common supply manifolds, comprising 2 screws M3x30 | 4.5        | 8069876  | VAME-B10-20-S  |
| <b>Inscription label</b>                                                           |                                                                                   |            |          |                |
|  | 40 pieces in frame                                                                | –          | 565306   | ASLR-C-E4      |

## Technical data

-  - Flow rate  
up to 1000 l/min

-  - Valve width  
26.5 mm

-  - Voltage  
24 V DC



| General technical data                    |               |                                                 |               |
|-------------------------------------------|---------------|-------------------------------------------------|---------------|
| Valve function                            |               | 3/2-way valve                                   | 5/2-way valve |
| Order code for valves                     |               | M32C                                            | M52 B52       |
| Valve width                               | [mm]          | 26.5                                            |               |
| Nominal width                             | Diameter [mm] | 6.7                                             |               |
| Design                                    |               | Piston spool                                    |               |
| Flow direction                            |               | Non-reversible                                  |               |
| Pilot air supply                          |               | Internal                                        |               |
| Type of control                           |               | Piloted                                         |               |
| Manual override                           |               | Non-detenting, detenting                        |               |
| Overlap                                   |               | Positive overlap                                |               |
| Sealing principle                         |               | Soft                                            |               |
| Type of mounting                          |               | Optionally via through-hole or on manifold rail |               |
| Standard nominal flow rate q <sub>N</sub> | [l/min]       | 1000                                            | 1000          |
| Actuation type                            |               | Electric                                        |               |
| Mounting position                         |               | Any                                             |               |
| Exhaust air function                      |               | Can be throttled                                |               |
| Connection for venting hole               |               | Not ducted                                      |               |
| b value                                   |               | 0.45                                            |               |
| c value                                   | [l/sbar]      | 3.86                                            |               |
| Pneumatic connection                      | 1, 2, 3       | G1/4                                            | G1/4          |
|                                           | 4, 5          | –                                               | G1/4          |

| Technical data – 3/2-way valves                   |             |                  |  |
|---------------------------------------------------|-------------|------------------|--|
| Order code for valves                             |             | M32C             |  |
| Normal position                                   |             | Closed           |  |
| Stable position                                   |             | Monostable       |  |
| Reset method                                      |             | Pneumatic spring |  |
| Switching times in [ms]                           | On          | 16               |  |
|                                                   | Off         | 20               |  |
|                                                   | Change over | –                |  |
| Product weight with solenoid coil                 | [g]         | 200              |  |
| Product weight with solenoid coil and plug socket | [g]         | 224              |  |



## Technical data

| Technical data – 5/2-way valves                   |             |                  |          |
|---------------------------------------------------|-------------|------------------|----------|
| Order code for valves                             |             | M52              | B52      |
| Normal position                                   |             | –                | –        |
| Stable position                                   |             | Monostable       | Bistable |
| Reset method                                      |             | Pneumatic spring | –        |
| Switching times in [ms]                           | On          | 20               | –        |
|                                                   | Off         | 22               | –        |
|                                                   | Change over | –                | 12       |
| Product weight with solenoid coil                 | [g]         | 250              | 320      |
| Product weight with solenoid coil and plug socket | [g]         | 274              | 368      |

| Safety data                           |                                                                                  |      |
|---------------------------------------|----------------------------------------------------------------------------------|------|
| Max. positive test pulse with logic 0 | [is]                                                                             | 2500 |
| Max. negative test pulse with logic 1 | [is]                                                                             | 1100 |
| Shock resistance                      | Shock test with severity level 1 to FN 942017-5 and EN 60068-2-27                |      |
| Vibration resistance                  | Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 |      |

| Operating and environmental conditions       |       |                                                                                            |              |              |
|----------------------------------------------|-------|--------------------------------------------------------------------------------------------|--------------|--------------|
| Order code for valves                        |       | M32C                                                                                       | M52          | B52          |
| Operating medium                             |       | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |              |              |
| Pilot medium                                 |       | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |              |              |
| Note on operating/pilot medium               |       | Lubricated operation possible (in which case lubricated operation will always be required) |              |              |
| Operating pressure                           | [MPa] | 0.15 ... 0.8                                                                               | 0.15 ... 0.8 | 0.15 ... 0.8 |
|                                              | [bar] | 1.5 ... 8                                                                                  | 1.5 ... 8    | 1.5 ... 8    |
| Ambient temperature                          | [°C]  | –5 ... +50                                                                                 |              |              |
| Temperature of medium                        | [°C]  | –5 ... +50                                                                                 |              |              |
| Corrosion resistance class CRC <sup>1)</sup> |       | 1                                                                                          |              |              |

1) Corrosion resistance class CRC 1 to Festo standard FN 940070

Low corrosion stress. Dry indoor application or transport and storage protection. Also applies to parts behind coverings, in the non-visible interior area, and parts which are covered in the application (e.g. drive trunnions).

| Electrical data                  |                                          |
|----------------------------------|------------------------------------------|
| Electrical connection            | Plug type B to industry standard (11 mm) |
| Operating voltage                | [V DC] 24                                |
| Permissible voltage fluctuations | [%] 10                                   |
| Power                            | [W] 3.3                                  |
| Duty cycle                       | [%] 100                                  |
| Degree of protection to EN 60529 | IP65 with plug socket                    |

| Materials         |                                              |
|-------------------|----------------------------------------------|
| Housing           | Wrought aluminium alloy                      |
| Seals             | HNBR, NBR                                    |
| Piston spool      | Wrought aluminium alloy                      |
| Note on materials | RoHS-compliant                               |
|                   | Contains paint-wetting impairment substances |

Technical data

Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

3/2-way valves, with solenoid coil

[1] Solenoid coil interface type B      [2] Space for inscription label      [7] For screw M4

| Type                        | B1   | B2   | B4  | B5 | D1   | H1   | H2   | H3 | H4   | H5   |
|-----------------------------|------|------|-----|----|------|------|------|----|------|------|
| VUVS-LK25-M32C-AD-G14-1B2-S | 26.5 | 20.2 | 1.9 | 1  | G1/4 | 36.1 | 16.9 | 6  | 45.9 | 33.9 |

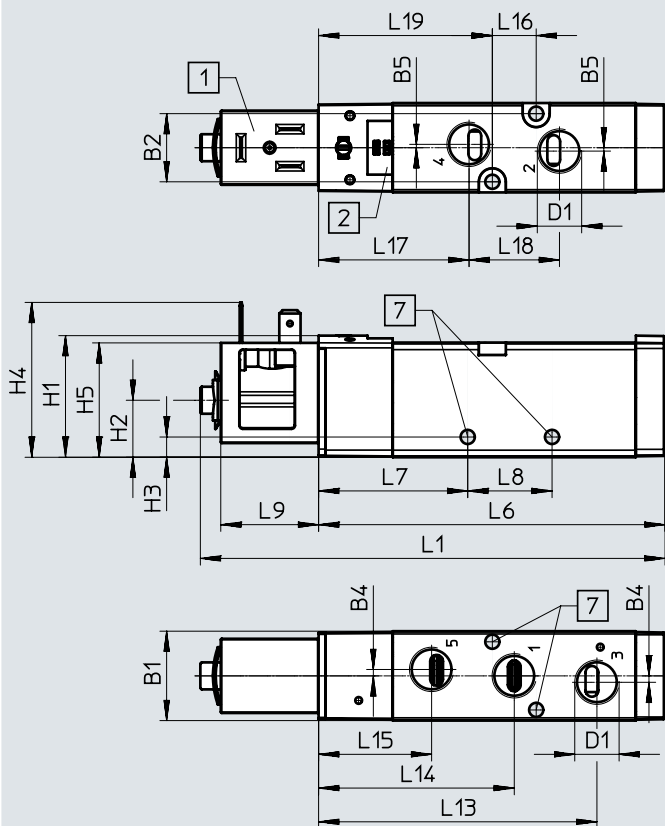
| Type                        | L1    | L6   | L7   | L8 | L9 | L14 | L15  | L16 | L17  | L19  |
|-----------------------------|-------|------|------|----|----|-----|------|-----|------|------|
| VUVS-LK25-M32C-AD-G14-1B2-S | 109.2 | 74.1 | 44.2 | 25 | 29 | 58  | 33.5 | 13  | 44.6 | 51.5 |

## Technical data

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

5/2-way single solenoid valves, with solenoid coil



[1] Solenoid coil interface type B

[2] Space for inscription label

[7] For screw M4

| Type                       | B1   | B2   | B4  | B5 | D1   | H1   | H2   | H3 | H4   | H5   |
|----------------------------|------|------|-----|----|------|------|------|----|------|------|
| VUVS-LK25-M52-AD-G14-1B2-S | 26.5 | 20.2 | 1.9 | 1  | G1/4 | 36.1 | 16.9 | 6  | 45.9 | 33.9 |

| Type                       | L1    | L6    | L7   | L8 | L9 | L13  | L14 | L15  | L16 | L17  | L18  | L19  |
|----------------------------|-------|-------|------|----|----|------|-----|------|-----|------|------|------|
| VUVS-LK25-M52-AD-G14-1B2-S | 137.8 | 102.7 | 44.2 | 25 | 29 | 82.5 | 58  | 33.5 | 13  | 44.6 | 26.8 | 51.5 |

Technical data

Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

5/2-way double solenoid valves, with solenoid coil

[1] Solenoid coil interface type B      [2] Space for inscription label      [7] For screw M4

| Type                      | B1   | B2   | B4  | B5 | D1   | H1   | H2   | H3 | H4   | H5   |
|---------------------------|------|------|-----|----|------|------|------|----|------|------|
| VUVS-LK25-B52-D-G14-1B2-S | 26.5 | 20.2 | 1.9 | 1  | G1/4 | 36.1 | 16.9 | 6  | 45.9 | 33.9 |

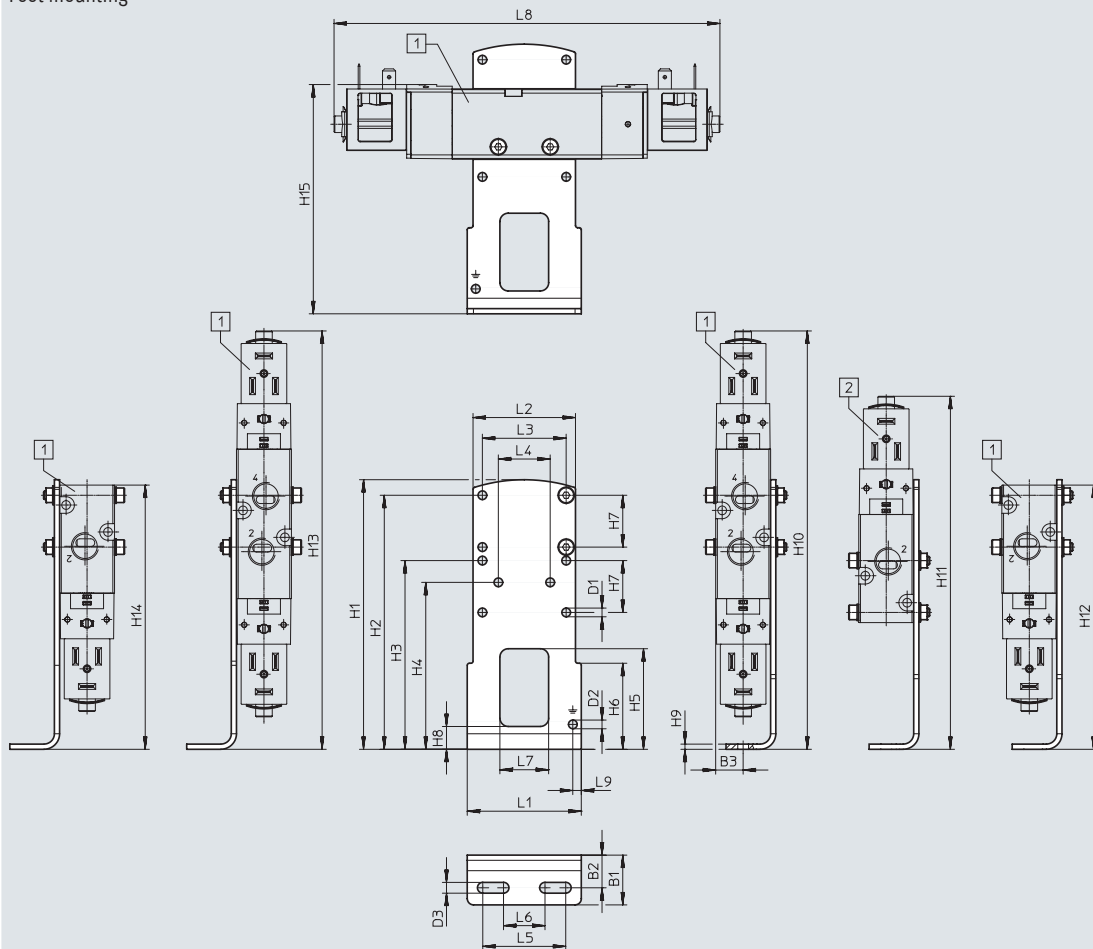
| Type                      | L1    | L6  | L7   | L8 | L9 | L13  | L14 | L15  | L16 | L17  | L18  | L19  |
|---------------------------|-------|-----|------|----|----|------|-----|------|-----|------|------|------|
| VUVS-LK25-B52-D-G14-1B2-S | 186.1 | 116 | 44.2 | 25 | 29 | 82.5 | 58  | 33.5 | 13  | 44.6 | 26.8 | 51.5 |

## Accessories

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

## Foot mounting



[1] VUVS-LK25-B52,  
VUVS-LK25-M52,  
VUVS-LK25-M32

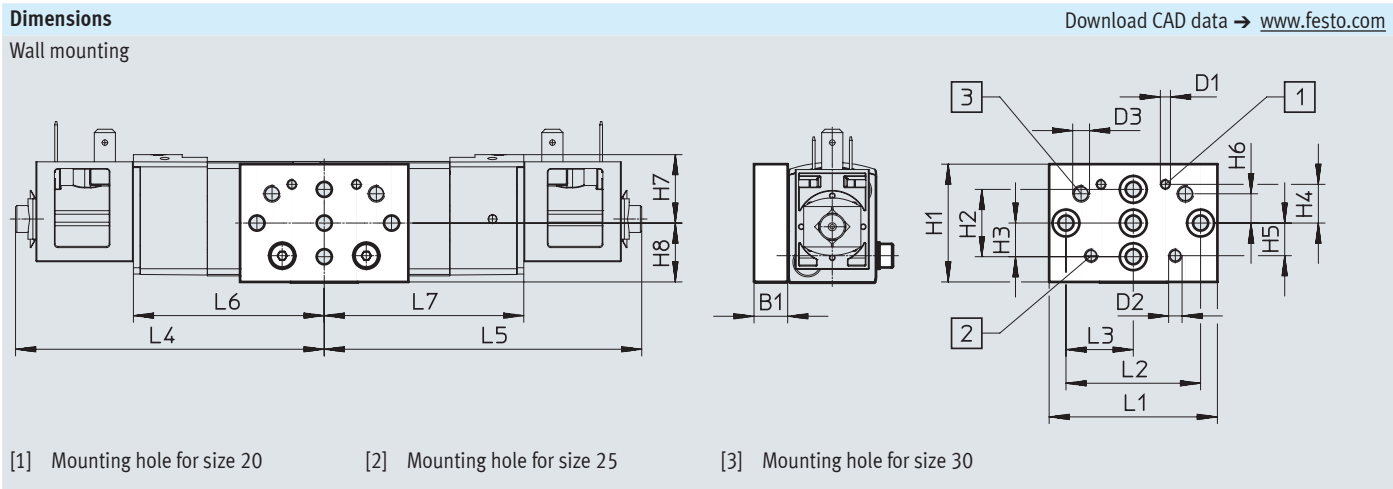
[2] VUVS-LK25-M52,  
VUVS-LK25-M32

| Type          |               | B1 | B2   | B3   | D1<br>Ø | D2<br>Ø | D3  | H1  | H2    | H3 | H4   |
|---------------|---------------|----|------|------|---------|---------|-----|-----|-------|----|------|
| VAME-B10-25-A | VUVS-LK25-B52 | 24 | 15.8 | 13.3 | 4.2     | 4.2     | 5.2 | 130 | 122.5 | 91 | 80.5 |
|               | VUVS-LK25-M52 |    |      |      |         |         |     |     |       |    |      |
|               | VUVS-LK25-M32 |    |      |      |         |         |     |     |       |    |      |

| Type          |               | H5   | H6   | H7 | H8 | H9  | H10   | H11   | H12   | H13   | H14   |
|---------------|---------------|------|------|----|----|-----|-------|-------|-------|-------|-------|
| VAME-B10-25-A | VUVS-LK25-B52 | 48.5 | 41.5 | 25 | 11 | 2.5 | 201.8 | –     | 204.4 | 201.8 | 204.4 |
|               | VUVS-LK25-M52 |      |      |    |    |     |       | 170.3 | 156   |       | 156   |
|               | VUVS-LK25-M32 |      |      |    |    |     |       |       | 127.4 |       | 127.4 |

| Type          |               | H15   | L1 | L2   | L3   | L4 | L5 | L6 | L7   | L8    | L9  |
|---------------|---------------|-------|----|------|------|----|----|----|------|-------|-----|
| VAME-B10-25-A | VUVS-LK25-B52 | 110.6 | 55 | 49.4 | 40.4 | 25 | 40 | 20 | 23.5 | 186.1 | 4.1 |
|               | VUVS-LK25-M52 |       |    |      |      |    |    |    |      | 137.8 |     |
|               | VUVS-LK25-M32 |       |    |      |      |    |    |    |      | 109.2 |     |

Accessories

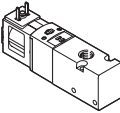
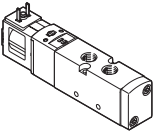
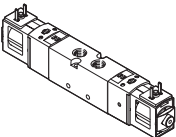


| Type          |               | B1 | D1 | D2 | D3 | H1 | H2 | H3 | H4   | H5  | H6  |
|---------------|---------------|----|----|----|----|----|----|----|------|-----|-----|
| VAME-B10-20-W | VUVS-LK25-B52 | 10 | M3 | M4 | M5 | 35 | 20 | 10 | 11.5 | 9.7 | 8.7 |
|               | VUVS-LK25-M52 |    |    |    |    |    |    |    |      |     |     |
|               | VUVS-LK25-M32 |    |    |    |    |    |    |    |      |     |     |

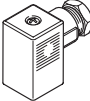
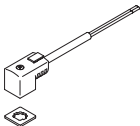
| Type          |               | H7   | H8   | L1 | L2 | L3 | L4   | L5   | L6   | L7   |
|---------------|---------------|------|------|----|----|----|------|------|------|------|
| VAME-B10-20-W | VUVS-LK25-B52 | 20.4 | 17.5 | 50 | 40 | 20 | 93.1 | 93.1 | 56.7 | 59.3 |
|               | VUVS-LK25-M52 |      |      |    |    |    |      | 44.7 |      | –    |
|               | VUVS-LK25-M32 |      |      |    |    |    |      | 15   |      | –    |

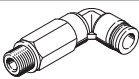
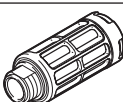
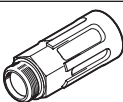
## Accessories

## ★ Core product range

| Ordering data                                                                     |                                          | Code                                                                                       | Valve function | Part no.                    | Type |
|-----------------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------------------------------------|----------------|-----------------------------|------|
| 3/2-way valve with solenoid coil (24 V DC)                                        |                                          |                                                                                            |                |                             |      |
|  | Single solenoid, normally closed, type B |                                                                                            |                |                             |      |
|                                                                                   | M32C-A                                   | Reset via pneumatic spring,<br>internal pilot air supply,<br>flow direction not reversible | ★ 8043217      | VUVS-LK25-M32C-AD-G14-1B2-S |      |
| 5/2-way valve with solenoid coil (24 V DC)                                        |                                          |                                                                                            |                |                             |      |
|  | Single solenoid, type B                  |                                                                                            |                |                             |      |
|                                                                                   | M52-A                                    | Reset via pneumatic spring,<br>internal pilot air supply,<br>flow direction not reversible | ★ 8043218      | VUVS-LK25-M52-AD-G14-1B2-S  |      |
|  | Double solenoid, type B                  |                                                                                            |                |                             |      |
|                                                                                   | B52                                      | Internal pilot air supply,<br>flow direction not reversible                                | ★ 8043219      | VUVS-LK25-B52-D-G14-1B2-S   |      |

## Accessories

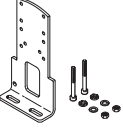
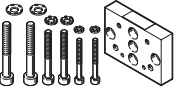
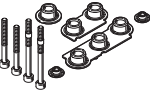
| Ordering data                                                                    |                                                 | Description         |                   |         | Part no.          | Type               |
|----------------------------------------------------------------------------------|-------------------------------------------------|---------------------|-------------------|---------|-------------------|--------------------|
| Cover cap                                                                        |                                                 |                     |                   |         |                   |                    |
|  | For manual override, non-detenting or covered   |                     |                   | 8049539 | VAMC-B10-25-CH2-S |                    |
| Plug socket                                                                      |                                                 |                     |                   |         |                   |                    |
|  | Plug pattern type B, industry standard          |                     |                   |         |                   |                    |
|                                                                                  | 3-pin, screw terminal                           | Cable connector M16 | 0 ... 250 V AC/DC | IP65    | 539710            | MSSD-F-M16         |
|                                                                                  |                                                 | Cable connector Pg9 |                   |         | ★ 34431           | MSSD-F             |
|                                                                                  | 3-pin, insulation displacement connector        | –                   | 0 ... 250 V AC/DC | IP67    | 192746            | MSSD-F-S-M16       |
| Plug socket with cable                                                           |                                                 |                     |                   |         |                   |                    |
|  | Plug pattern type B, industry standard          |                     |                   |         |                   |                    |
|                                                                                  | Angled socket, 3-pin<br>Cable, open end, 3-wire | 24 V DC             | LED               | 2.5 m   | ★ 30935           | KMF-1-24DC-2,5-LED |
|                                                                                  |                                                 |                     |                   | 5 m     | 30937             | KMF-1-24DC-5-LED   |
|                                                                                  |                                                 |                     |                   | 10 m    | 193458            | KMF-1-24-10-LED    |
| Illuminating seal                                                                |                                                 |                     |                   |         |                   |                    |
|  | Plug pattern type B, industry standard          |                     | 24 V DC           |         | 19143             | MF-LD-12-24DC      |

| Ordering data                                                                      |                                          | Description |                | Part no.       | Type | PU <sup>1)</sup> |
|------------------------------------------------------------------------------------|------------------------------------------|-------------|----------------|----------------|------|------------------|
| Push-in fitting with internal hex                                                  |                                          |             |                |                |      |                  |
|  | Connecting thread G1/4 for tubing O.D.   | 6 mm        | ★ 186108       | QS-G1/4-6-I    | 10   |                  |
|                                                                                    |                                          | 8 mm        | ★ 186110       | QS-G1/4-8-I    | 10   |                  |
|                                                                                    |                                          | 10 mm       | ★ 186112       | QS-G1/4-10-I   | 10   |                  |
| Angled push-in fitting with external hex                                           |                                          |             |                |                |      |                  |
|  | Connecting thread G1/4 for tubing O.D.   | 6 mm        | ★ 186118       | QSL-G1/4-6     | 10   |                  |
|                                                                                    |                                          |             | 132051         | QSL-G1/4-6-100 | 100  |                  |
|                                                                                    |                                          | 8 mm        | ★ 186120       | QSL-G1/4-8     | 10   |                  |
|                                                                                    |                                          |             | 132052         | QSL-G1/4-8-50  | 50   |                  |
|                                                                                    |                                          | 10 mm       | ★ 186122       | QSL-G1/4-10    | 10   |                  |
|                                                                                    |                                          | 132053      | QSL-G1/4-10-50 | 50             |      |                  |
| Angled push-in fitting, long, with external hex                                    |                                          |             |                |                |      |                  |
|  | Connecting thread G1/4 for tubing O.D.   | 6 mm        | 186129         | QSLL-G1/4-6    | 10   |                  |
|                                                                                    |                                          | 8 mm        | 186131         | QSLL-G1/4-8    | 10   |                  |
|                                                                                    |                                          | 10 mm       | 186133         | QSLL-G1/4-10   | 10   |                  |
| Silencer                                                                           |                                          |             |                |                |      |                  |
|  | With connecting thread G, polymer design | G1/4        | ★ 2316         | U-1/4          | 1    |                  |
|                                                                                    |                                          |             | 534223         | U-1/4-20       | 20   |                  |
|  | With connecting thread G, metal design   | G1/4        | 6842           | U-1/4-B        | 1    |                  |

1) Packaging unit



## Accessories

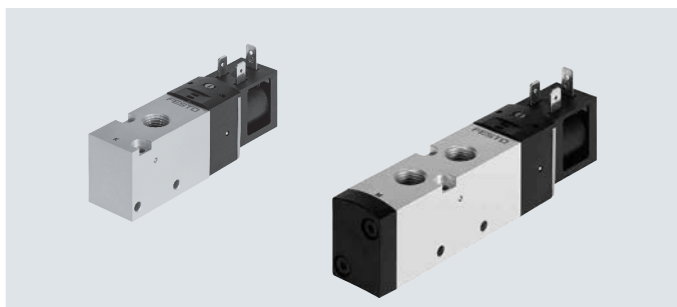
| Ordering data                                                                       | Description                                                                       | Weight<br>[g] | Part no. | Type           |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------|----------|----------------|
| <b>Foot mounting</b>                                                                |                                                                                   |               |          |                |
|    | With screw set for attaching the valve to the foot mounting                       | 130           | 2293485  | VAME-B10-25-A  |
| <b>Wall mounting</b>                                                                |                                                                                   |               |          |                |
|    | With screw set for attaching the valve to the wall mounting                       | 53            | 576413   | VAME-B10-20-W  |
| <b>Assortment of spare parts</b>                                                    |                                                                                   |               |          |                |
|    | Set comprising seals and screws                                                   | 12            | 8035636  | VAME-B10-25-MK |
| <b>Screw set</b>                                                                    |                                                                                   |               |          |                |
|    | For mounting valves VUVS-LK on common supply manifolds, comprising 2 screws M4x40 | 9.6           | 8068789  | VAME-B10-25-S  |
| <b>Inscription label</b>                                                            |                                                                                   |               |          |                |
|  | 40 pieces in frame                                                                | –             | 565306   | ASLR-C-E4      |

## Technical data

-  - Flow rate  
up to 1600 l/min

-  - Valve width  
31 mm

-  - Voltage  
24 V DC



## General technical data

|                                           |               |                                                 |               |
|-------------------------------------------|---------------|-------------------------------------------------|---------------|
| Valve function                            |               | 3/2-way valve                                   | 5/2-way valve |
| Order code for valves                     |               | M32C                                            | M52           |
|                                           |               |                                                 | B52           |
| Valve width                               | [mm]          | 31                                              |               |
| Nominal width                             | Diameter [mm] | 8.1                                             |               |
| Design                                    |               | Piston spool                                    |               |
| Flow direction                            |               | Non-reversible                                  |               |
| Pilot air supply                          |               | Internal                                        |               |
| Type of control                           |               | Piloted                                         |               |
| Manual override                           |               | Non-detenting, detenting                        |               |
| Overlap                                   |               | Positive overlap                                |               |
| Sealing principle                         |               | Soft                                            |               |
| Type of mounting                          |               | Optionally via through-hole or on manifold rail |               |
| Standard nominal flow rate q <sub>N</sub> | [l/min]       | 1600                                            | 1600          |
| Actuation type                            |               | Electric                                        |               |
| Mounting position                         |               | Any                                             |               |
| Exhaust air function                      |               | Can be throttled                                |               |
| Connection for venting hole               |               | Not ducted                                      |               |
| b value                                   |               | 0.37                                            |               |
| c value                                   | [l/sbar]      | 7.03                                            |               |
| Pneumatic connection                      | 1, 2, 3       | G3/8                                            | G3/8          |
|                                           | 4, 5          | –                                               | G3/8          |

## Technical data – 3/2-way valves

|                                                   |             |                  |
|---------------------------------------------------|-------------|------------------|
| Order code for valves                             |             | M32C             |
| Normal position                                   |             | Closed           |
| Stable position                                   |             | Monostable       |
| Reset method                                      |             | Pneumatic spring |
| Switching times in [ms]                           | On          | 16               |
|                                                   | Off         | 20               |
|                                                   | Change over | –                |
| Product weight with solenoid coil                 | [g]         | 250              |
| Product weight with solenoid coil and plug socket | [g]         | 274              |

## Technical data

| Technical data – 5/2-way valves                   |             |                  |          |
|---------------------------------------------------|-------------|------------------|----------|
| Order code for valves                             |             | M52              | B52      |
| Normal position                                   |             | –                | –        |
| Stable position                                   |             | Monostable       | Bistable |
| Reset method                                      |             | Pneumatic spring | –        |
| Switching times in [ms]                           | On          | 16               | –        |
|                                                   | Off         | 21               | –        |
|                                                   | Change over | –                | 10       |
| Product weight with solenoid coil                 | [g]         | 315              | 392      |
| Product weight with solenoid coil and plug socket | [g]         | 339              | 416      |

| Safety data                           |                                                                                  |      |
|---------------------------------------|----------------------------------------------------------------------------------|------|
| Max. positive test pulse with logic 0 | [is]                                                                             | 2500 |
| Max. negative test pulse with logic 1 | [is]                                                                             | 1100 |
| Shock resistance                      | Shock test with severity level 1 to FN 942017-5 and EN 60068-2-27                |      |
| Vibration resistance                  | Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 |      |

| Operating and environmental conditions       |       |                                                                                            |              |              |
|----------------------------------------------|-------|--------------------------------------------------------------------------------------------|--------------|--------------|
| Order code for valves                        |       | M32C                                                                                       | M52          | B52          |
| Operating medium                             |       | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |              |              |
| Pilot medium                                 |       | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |              |              |
| Note on operating/pilot medium               |       | Lubricated operation possible (in which case lubricated operation will always be required) |              |              |
| Operating pressure                           | [MPa] | 0.15 ... 0.8                                                                               | 0.15 ... 0.8 | 0.15 ... 0.8 |
|                                              | [bar] | 1.5 ... 8                                                                                  | 1.5 ... 8    | 1.5 ... 8    |
| Ambient temperature                          | [°C]  | –5 ... +50                                                                                 |              |              |
| Temperature of medium                        | [°C]  | –5 ... +50                                                                                 |              |              |
| Corrosion resistance class CRC <sup>1)</sup> |       | 1                                                                                          |              |              |

1) Corrosion resistance class CRC 1 to Festo standard FN 940070

Low corrosion stress. Dry indoor application or transport and storage protection. Also applies to parts behind coverings, in the non-visible interior area, and parts which are covered in the application (e.g. drive trunnions).

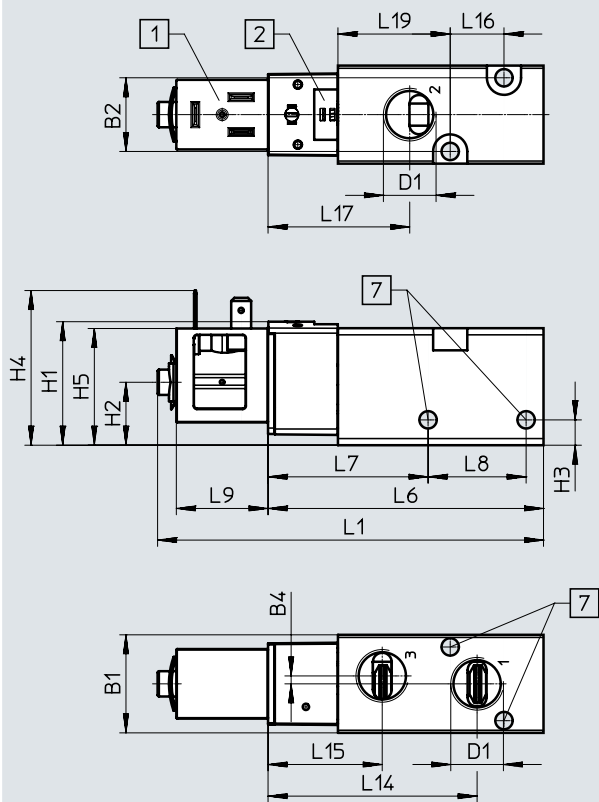
| Electrical data                  |                                          |
|----------------------------------|------------------------------------------|
| Electrical connection            | Plug type B to industry standard (11 mm) |
| Operating voltage                | [V DC] 24                                |
| Permissible voltage fluctuations | [%] 10                                   |
| Power                            | [W] 3.3                                  |
| Duty cycle                       | [%] 100                                  |
| Degree of protection to EN 60529 | IP65 with plug socket                    |

| Materials         |                                              |
|-------------------|----------------------------------------------|
| Housing           | Wrought aluminium alloy                      |
| Seals             | HNBR, NBR                                    |
| Piston spool      | Wrought aluminium alloy                      |
| Note on materials | RoHS-compliant                               |
|                   | Contains paint-wetting impairment substances |

Technical data

Dimensions Download CAD data → [www.festo.com](http://www.festo.com)

3/2-way valves, with solenoid coil



[1] Solenoid coil interface type B      [2] Space for inscription label      [7] For screw M5

| Type                        | B1 | B2   | B4  | D1   | H1   | H2   | H3 | H4   | H5   |
|-----------------------------|----|------|-----|------|------|------|----|------|------|
| VUVS-LK30-M32C-AD-G38-1B2-S | 31 | 23.3 | 2.5 | G3/8 | 39.1 | 19.9 | 8  | 48.9 | 36.9 |

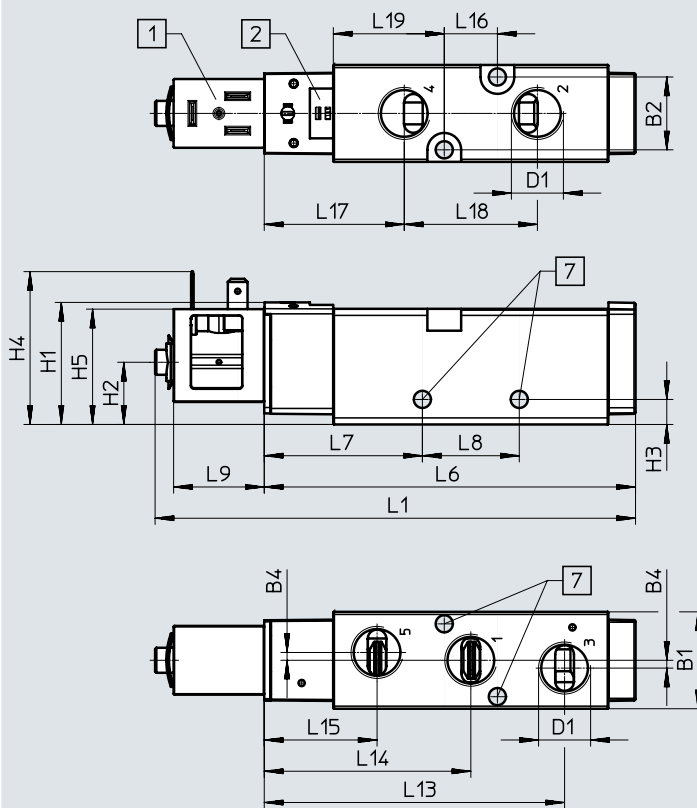
| Type                        | L1    | L6   | L7   | L8 | L9 | L14  | L15  | L16 | L17  | L19  |
|-----------------------------|-------|------|------|----|----|------|------|-----|------|------|
| VUVS-LK30-M32C-AD-G38-1B2-S | 122.1 | 87.1 | 50.6 | 31 | 29 | 66.1 | 36.1 | 17  | 44.8 | 57.6 |

## Technical data

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

5/2-way single solenoid valves, with solenoid coil



[1] Solenoid coil interface type B

[2] Space for inscription label

[7] For screw M5

| Type                       | B1 | B2   | B4  | D1   | H1   | H2   | H3 | H4   | H5   |
|----------------------------|----|------|-----|------|------|------|----|------|------|
| VUVS-LK30-M52-AD-G38-1B2-S | 31 | 23.3 | 2.5 | G3/8 | 39.1 | 19.9 | 8  | 48.9 | 36.9 |

| Type                       | L1    | L6    | L7   | L8 | L9 | L13  | L14  | L15  | L16 | L17  | L18  | L19  |
|----------------------------|-------|-------|------|----|----|------|------|------|-----|------|------|------|
| VUVS-LK30-M52-AD-G38-1B2-S | 153.8 | 118.8 | 50.6 | 31 | 29 | 96.1 | 66.1 | 36.1 | 17  | 44.8 | 42.6 | 57.6 |

Technical data

Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

5/2-way double solenoid valves, with solenoid coil

[1] Solenoid coil interface type B      [2] Space for inscription label      [7] For screw M5

| Type                      | B1 | B2   | B4  | D1   | H1   | H2   | H3 | H4   | H5   |
|---------------------------|----|------|-----|------|------|------|----|------|------|
| VUVS-LK30-B52-D-G38-1B2-S | 31 | 23.3 | 2.5 | G3/8 | 39.1 | 19.9 | 8  | 48.9 | 36.9 |

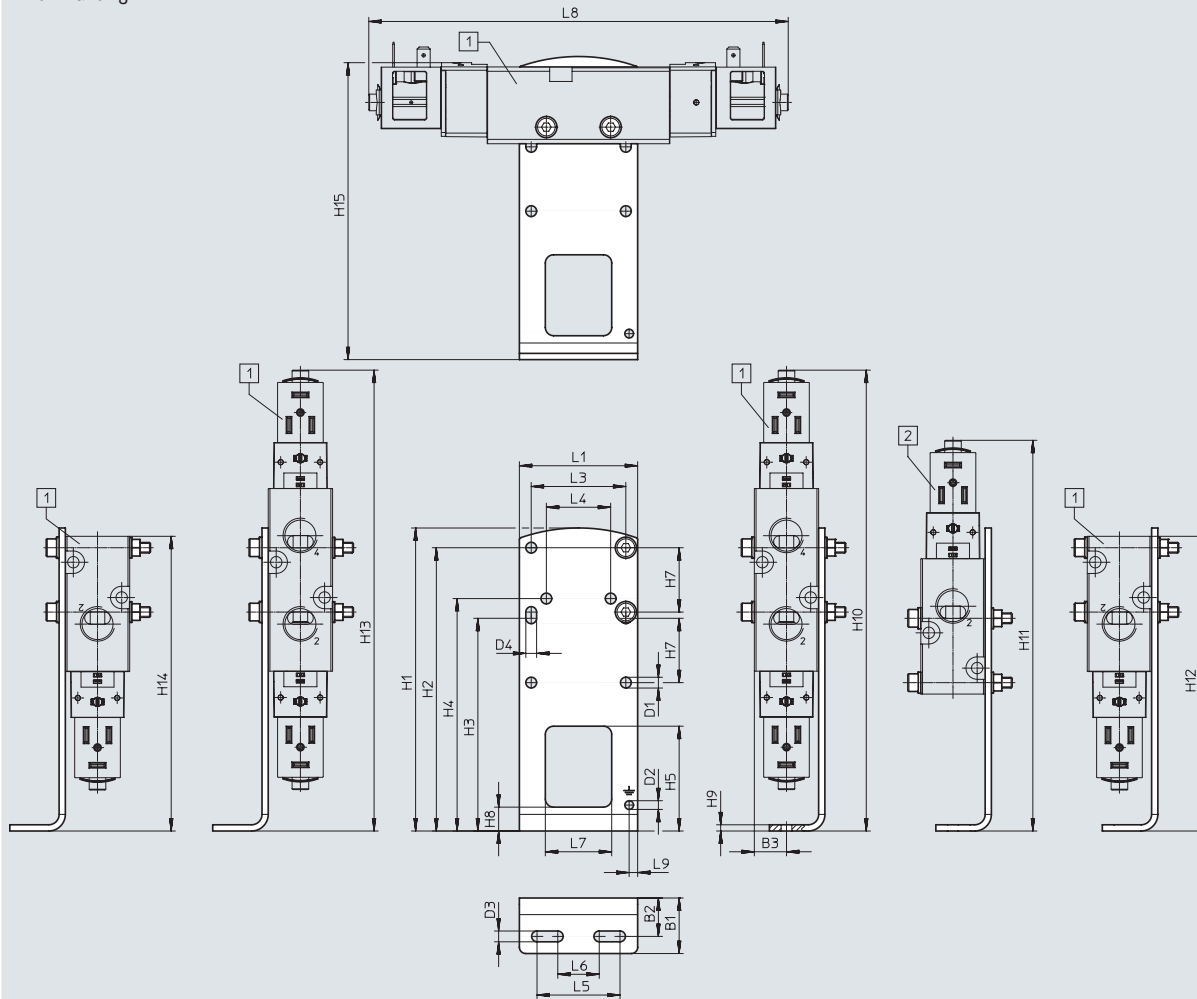
| Type                      | L1    | L6    | L7   | L8 | L9 | L13  | L14  | L15  | L16 | L17  | L18  | L19  |
|---------------------------|-------|-------|------|----|----|------|------|------|-----|------|------|------|
| VUVS-LK30-B52-D-G38-1B2-S | 202.1 | 132.2 | 50.6 | 31 | 29 | 96.1 | 66.1 | 36.1 | 17  | 44.8 | 42.6 | 57.6 |

## Accessories

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

## Foot mounting



[1] VUVS-LK30-B52,  
VUVS-LK30-M52,  
VUVS-LK30-M32

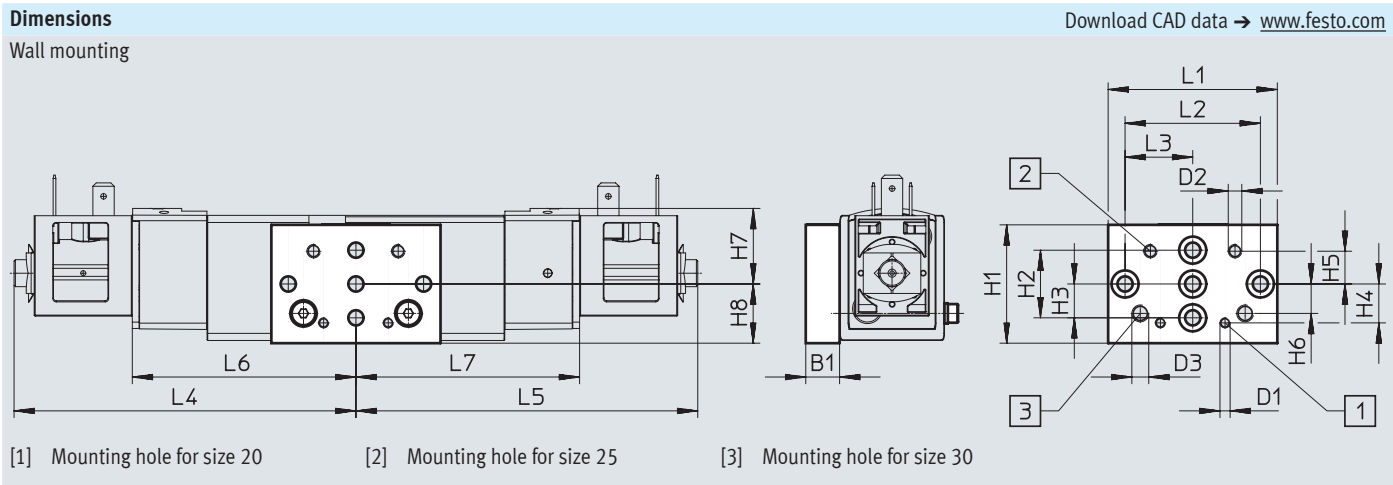
[2] VUVS-LK30-M52,  
VUVS-LK30-M32

| Type          |               | B1   | B2   | B3   | D1<br>Ø | D2<br>Ø | D3  | D4  | H1  | H2    | H3    |
|---------------|---------------|------|------|------|---------|---------|-----|-----|-----|-------|-------|
| VAME-B10-30-A | VUVS-LK30-B52 | 26.8 | 18.5 | 15.5 | 5.2     | 4.2     | 5.2 | 5.2 | 146 | 136.5 | 102.5 |
|               | VUVS-LK30-M52 |      |      |      |         |         |     |     |     |       |       |
|               | VUVS-LK30-M32 |      |      |      |         |         |     |     |     |       |       |

| Type          |               | H4  | H5   | H7 | H8   | H9 | H10 | H11 | H12   | H13 | H14   |
|---------------|---------------|-----|------|----|------|----|-----|-----|-------|-----|-------|
| VAME-B10-30-A | VUVS-LK30-B52 | 112 | 50.5 | 31 | 11.5 | 3  | 222 | –   | 222.1 | 222 | 222.1 |
|               | VUVS-LK30-M52 |     |      |    |      |    |     | 188 | 173.8 |     | 173.8 |
|               | VUVS-LK30-M32 |     |      |    |      |    |     |     | 142.1 |     | 142.1 |

| Type          |               | H15   | L1 | L3   | L4 | L5 | L6 | L7 | L8    | L9  |
|---------------|---------------|-------|----|------|----|----|----|----|-------|-----|
| VAME-B10-30-A | VUVS-LK30-B52 | 143.1 | 57 | 45.6 | 31 | 40 | 20 | 32 | 202.1 | 4.1 |
|               | VUVS-LK30-M52 |       |    |      |    |    |    |    | 153.8 |     |
|               | VUVS-LK30-M32 |       |    |      |    |    |    |    | 122.1 |     |

Accessories



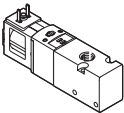
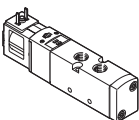
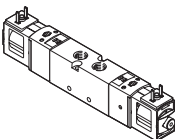
| Type          |               | B1 | D1 | D2 | D3 | H1 | H2 | H3 | H4   | H5  | H6  |
|---------------|---------------|----|----|----|----|----|----|----|------|-----|-----|
| VAME-B10-20-W | VUVS-LK30-B52 | 10 | M3 | M4 | M5 | 35 | 20 | 10 | 11.5 | 9.7 | 8.7 |
|               | VUVS-LK30-M52 |    |    |    |    |    |    |    |      |     |     |
|               | VUVS-LK30-M32 |    |    |    |    |    |    |    |      |     |     |

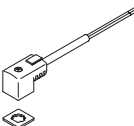
| Type          |               | H7   | H8   | L1 | L2 | L3 | L4    | L5    | L6   | L7   |
|---------------|---------------|------|------|----|----|----|-------|-------|------|------|
| VAME-B10-20-W | VUVS-LK30-B52 | 22.4 | 17.5 | 50 | 40 | 20 | 101.1 | 101.1 | 66.1 | 66.1 |
|               | VUVS-LK30-M52 |      |      |    |    |    |       | 52.7  |      | -    |
|               | VUVS-LK30-M32 |      |      |    |    |    |       | 21    |      | -    |



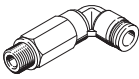
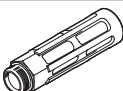
## Accessories

## ★ Core product range

| Ordering data                                                                     |                                          |                                                                                            |                |  |           |                             |
|-----------------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------------------------------------|----------------|--|-----------|-----------------------------|
|                                                                                   |                                          | Code                                                                                       | Valve function |  | Part no.  | Type                        |
| 3/2-way valve with solenoid coil (24 V DC)                                        |                                          |                                                                                            |                |  |           |                             |
|  | Single solenoid, normally closed, type B |                                                                                            |                |  |           |                             |
|                                                                                   | M32C-A                                   | Reset via pneumatic spring,<br>internal pilot air supply,<br>flow direction not reversible |                |  | ★ 8049880 | VUVS-LK30-M32C-AD-G38-1B2-S |
| 5/2-way valve with solenoid coil (24 V DC)                                        |                                          |                                                                                            |                |  |           |                             |
|  | Single solenoid, type B                  |                                                                                            |                |  |           |                             |
|                                                                                   | M52-A                                    | Reset via pneumatic spring,<br>internal pilot air supply,<br>flow direction not reversible |                |  | ★ 8049881 | VUVS-LK30-M52-AD-G38-1B2-S  |
|  | Double solenoid, type B                  |                                                                                            |                |  |           |                             |
|                                                                                   | B52                                      | Internal pilot air supply,<br>flow direction not reversible                                |                |  | ★ 8049882 | VUVS-LK30-B52-D-G38-1B2-S   |

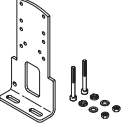
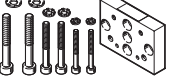
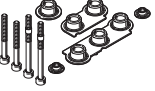
| Ordering data                                                                       |                                                 |                     |                   |       |          |                    |
|-------------------------------------------------------------------------------------|-------------------------------------------------|---------------------|-------------------|-------|----------|--------------------|
|                                                                                     |                                                 | Description         |                   |       | Part no. | Type               |
| Cover cap                                                                           |                                                 |                     |                   |       |          |                    |
|   | For manual override, non-detenting or covered   |                     |                   |       | 8049539  | VAMC-B10-25-CH2-S  |
| Plug socket                                                                         |                                                 |                     |                   |       |          |                    |
|  | Plug pattern type B, industry standard          |                     |                   |       |          |                    |
|                                                                                     | 3-pin, screw terminal                           | Cable connector M16 | 0 ... 250 V AC/DC | IP65  | 539710   | MSSD-F-M16         |
|                                                                                     |                                                 | Cable connector Pg9 |                   |       | ★ 34431  | MSSD-F             |
|                                                                                     | 3-pin, insulation displacement connector        | –                   | 0 ... 250 V AC/DC | IP67  | 192746   | MSSD-F-S-M16       |
| Plug socket with cable                                                              |                                                 |                     |                   |       |          |                    |
|  | Plug pattern type B, industry standard          |                     |                   |       |          |                    |
|                                                                                     | Angled socket, 3-pin<br>Cable, open end, 3-wire | 24 V DC             | LED               | 2.5 m | ★ 30935  | KMF-1-24DC-2,5-LED |
|                                                                                     |                                                 |                     |                   | 5 m   | 30937    | KMF-1-24DC-5-LED   |
|                                                                                     |                                                 |                     |                   | 10 m  | 193458   | KMF-1-24-10-LED    |
| Illuminating seal                                                                   |                                                 |                     |                   |       |          |                    |
|  | Plug pattern type B, industry standard          |                     | 24 V DC           |       | 19143    | MF-LD-12-24DC      |

## Accessories

| Ordering data                                                                    |                                        | Description |          | Part no.      | Type | PU <sup>1)</sup> |
|----------------------------------------------------------------------------------|----------------------------------------|-------------|----------|---------------|------|------------------|
| Push-in fitting with internal hex                                                |                                        |             |          |               |      |                  |
|  | Connecting thread G3/8 for tubing O.D. | 6 mm        | ★ 186111 | QS-G3/8-8-I   | 10   |                  |
|                                                                                  |                                        | 8 mm        | ★ 186113 | QS-G3/8-10-I  | 10   |                  |
|                                                                                  |                                        | 10 mm       | ★ 186114 | QS-G3/8-12-I  | 10   |                  |
| Angled push-in fitting with external hex                                         |                                        |             |          |               |      |                  |
|  | Connecting thread G3/8 for tubing O.D. | 8 mm        | ★ 186121 | QSL-G3/8-8    | 10   |                  |
|                                                                                  |                                        |             | 132055   | QSL-G3/8-8-50 | 50   |                  |
|                                                                                  |                                        | 10 mm       | ★ 186123 | QSL-G3/8-10   | 10   |                  |
| 132056                                                                           | QSL-G3/8-10-20                         |             | 20       |               |      |                  |
| Angled push-in fitting, long, with external hex                                  |                                        |             |          |               |      |                  |
|  | Connecting thread G3/8 for tubing O.D. | 8 mm        | 186132   | QSL-G3/8-8    | 10   |                  |
|                                                                                  |                                        | 10 mm       | 186134   | QSL-G3/8-10   | 10   |                  |
| Silencer                                                                         |                                        |             |          |               |      |                  |
|  | With connecting thread G, metal design | G3/8        | 6843     | U-3/8-B       | 1    |                  |

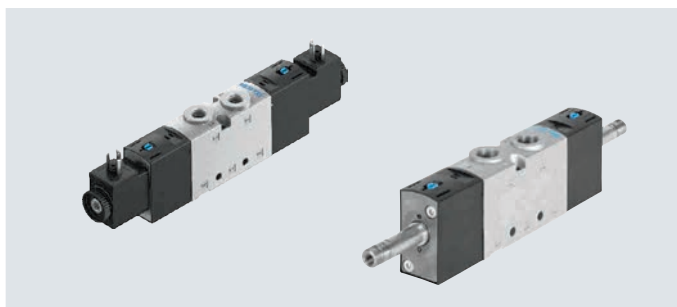
1) Packaging unit

## Accessories

| Ordering data                                                                       |                                                                                   | Weight<br>[g] | Part no. | Type           |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------|----------|----------------|
| <b>Foot mounting</b>                                                                |                                                                                   |               |          |                |
|    | With screw set for attaching the valve to the foot mounting                       | 239           | 8026337  | VAME-B10-30-A  |
| <b>Wall mounting</b>                                                                |                                                                                   |               |          |                |
|    | With screw set for attaching the valve to the wall mounting                       | 53            | 576413   | VAME-B10-20-W  |
| <b>Assortment of spare parts</b>                                                    |                                                                                   |               |          |                |
|    | Set comprising seals and screws                                                   | 22            | 8035637  | VAME-B10-30-MK |
| <b>Screw set</b>                                                                    |                                                                                   |               |          |                |
|    | For mounting valves VUVS-LK on common supply manifolds, comprising 2 screws M5x40 | 15.5          | 8068790  | VAME-B10-30-S  |
| <b>Inscription label</b>                                                            |                                                                                   |               |          |                |
|  | 40 pieces in frame                                                                | –             | 565306   | ASLR-C-E4      |

## Technical data

-  - Flow rate  
up to 600 l/min
-  - Valve width  
21 mm
-  - Voltage  
24 V DC



| General technical data                            |  |                                                 |      |      |      |      |               |      |
|---------------------------------------------------|--|-------------------------------------------------|------|------|------|------|---------------|------|
| Valve function                                    |  | 3/2-way valve                                   |      |      |      |      | 5/2-way valve |      |
| Order code for valves                             |  | M32C                                            | M32U | T32C | T32U | T32H | M52           | B52  |
| Valve width [mm]                                  |  | 21                                              |      |      |      |      |               |      |
| Nominal width Diameter [mm]                       |  | 5.2                                             | 5.2  | 5.2  | 5.2  | 5.2  | 5             | 5    |
| Design                                            |  | Poppet seat                                     |      |      |      |      |               |      |
| Flow direction                                    |  | Non-reversible                                  |      |      |      |      |               |      |
| Pilot air supply                                  |  | Internal or external                            |      |      |      |      |               |      |
| Type of control                                   |  | Piloted                                         |      |      |      |      |               |      |
| Manual override                                   |  | Non-detenting, detenting                        |      |      |      |      |               |      |
| Overlap                                           |  | Negative overlap                                |      |      |      |      |               |      |
| Sealing principle                                 |  | Soft                                            |      |      |      |      |               |      |
| Type of mounting                                  |  | Optionally via through-hole or on manifold rail |      |      |      |      |               |      |
| Standard nominal flow rate q <sub>N</sub> [l/min] |  | 600                                             |      |      |      |      | 500           |      |
| Actuation type                                    |  | Electric                                        |      |      |      |      |               |      |
| Mounting position                                 |  | Any                                             |      |      |      |      |               |      |
| Exhaust air function                              |  | Can be throttled                                |      |      |      |      |               |      |
| Connection for venting hole                       |  | Not ducted                                      |      |      |      |      |               |      |
| b value                                           |  | 0.39                                            | 0.29 | 0.39 | 0.29 | 0.34 | 0.31          | 0.27 |
| c value                                           |  | 2.3                                             | 2.3  | 2.3  | 2.3  | 2.3  | 2.1           | 2.1  |
| Pneumatic connection 1, 2, 3                      |  | G1/8                                            | G1/8 | G1/8 | G1/8 | G1/8 | G1/8          | G1/8 |
| connection 4, 5                                   |  | –                                               | –    | G1/8 | G1/8 | G1/8 | G1/8          | G1/8 |
| Pilot air port 12, 14                             |  | M5                                              | M5   | M5   | M5   | M5   | M5            | M5   |
| Pilot exhaust air connection 82, 84               |  | M5                                              | M5   | M5   | M5   | M5   | M5            | M5   |
| Corrosion resistance <sup>1)</sup>                |  | 2                                               |      |      |      |      |               |      |

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

| ATEX                                                          |                                             |
|---------------------------------------------------------------|---------------------------------------------|
| Type                                                          | VUVS-LT-...-EX2                             |
| ATEX category for gas                                         | II 3G                                       |
| Type of ignition protection for gas                           | Ex ec IICT4 Gc X                            |
| ATEX category for dust                                        | II 3D                                       |
| Type of ignition protection for dust                          | Ex tc IIIC T115°C Dc X                      |
| Explosion-proof ambient temperature [°C]                      | –10°C ≤ Ta ≤ +60°C                          |
| CE marking<br>(see declaration of conformity) <sup>1)</sup>   | To EU Explosion Protection Directive (ATEX) |
| UKCA marking<br>(see declaration of conformity) <sup>1)</sup> | To UK EX instructions                       |
| Explosion protection certification outside the EU             | EPL Dc (GB)                                 |
|                                                               | EPL Gc (GB)                                 |

1) For information about the area of use, see the EC declaration of conformity at: [www.festo.com/catalogue/...](http://www.festo.com/catalogue/...) → Support/Downloads.

If the devices are subject to usage restrictions in residential, commercial or light-industrial environments, further measures for the reduction of the emitted interference may be necessary.

## Technical data

| Technical data                       |             | M32C              | M32U       | T32C              | T32U       | T32H                  | M52               | B52      |
|--------------------------------------|-------------|-------------------|------------|-------------------|------------|-----------------------|-------------------|----------|
| Order code for valves                |             |                   |            |                   |            |                       |                   |          |
| Normal position                      |             | Closed            | Open       | 2x closed         | 2x open    | 1x open/<br>1x closed | –                 | –        |
| Stable position                      |             | Monostable        | Monostable | Monostable        | Monostable | Monostable            | Monostable        | Bistable |
| Reset method                         |             | Mechanical spring |            | Mechanical spring |            |                       | Mechanical spring | –        |
| Switching times in [ms]              | On          | 9                 | 10         | 9                 | 9          | 9                     | 15                | –        |
|                                      | Off         | 23                | 24         | 25                | 23         | 23                    | 19                | –        |
|                                      | Change over | –                 | –          | –                 | –          | –                     | –                 | 8        |
| Product weight without solenoid coil | [g]         | 112               | 112        | 180               | 180        | 180                   | 167               | 181      |
| Product weight with solenoid coil    | [g]         | 146               | 146        | 245               | 245        | 245                   | 200               | 248      |

| Safety data                           |     |                                                                                  |
|---------------------------------------|-----|----------------------------------------------------------------------------------|
| Max. positive test pulse with logic 0 | [s] | 1900                                                                             |
| Max. negative test pulse with logic 1 | [s] | 2700                                                                             |
| Shock resistance                      |     | Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27                |
| Vibration resistance                  |     | Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 |

| Operating and environmental conditions            |       |                                                                                            |      |      |      |      |             |            |
|---------------------------------------------------|-------|--------------------------------------------------------------------------------------------|------|------|------|------|-------------|------------|
| Order code for valves                             |       | M32C                                                                                       | M32U | T32C | T32U | T32H | M52         | B52        |
| Operating medium                                  |       | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |      |      |      |      |             |            |
| Pilot medium                                      |       | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |      |      |      |      |             |            |
| Note on operating/pilot medium                    |       | Lubricated operation possible (in which case lubricated operation will always be required) |      |      |      |      |             |            |
| Operating pressure with internal pilot air supply | [MPa] | 0.25 ... 1                                                                                 |      |      |      |      | 0.3 ... 1   | 0.15 ... 1 |
|                                                   | [bar] | 2.5 ... 10                                                                                 |      |      |      |      | 3 ... 10    | 1.5 ... 10 |
| Operating pressure with external pilot air supply | [MPa] | −0.09 ... 1                                                                                |      |      |      |      | 0.25 ... 1  | 0.15 ... 1 |
|                                                   | [bar] | −0.9 ... 10                                                                                |      |      |      |      | 2.5 ... 10  | 1.5 ... 10 |
| Pilot pressure                                    | [MPa] | 0.25 ... 1                                                                                 |      |      |      |      | 0.25 ... 1  | 0.15 ... 1 |
|                                                   | [bar] | 2.5 ... 10                                                                                 |      |      |      |      | 2.5 ... 10  | 1.5 ... 10 |
| Ambient temperature                               | [°C]  | −5 ... +60                                                                                 |      |      |      |      | −10 ... +60 |            |
| Temperature of medium                             | [°C]  | −10 ... +60                                                                                |      |      |      |      | −10 ... +60 |            |
| Certification                                     |       | c UL us - Recognized (OL)                                                                  |      |      |      |      |             |            |

| Electrical data                   |        | With solenoid coil                | Without solenoid coil                 |
|-----------------------------------|--------|-----------------------------------|---------------------------------------|
| Electrical connection             |        | Plug type C to EN 175301-803      | Via solenoid coil<br>→ Internet: vacf |
| Operating voltage                 | [V DC] | 24                                |                                       |
| Permissible voltage fluctuations  | [%]    | 10                                |                                       |
| Power                             | [W]    | 2.6                               |                                       |
| Duty cycle                        | [%]    | 100                               |                                       |
| Degree of protection to IEC 60529 |        | IP65 with plug socket to IEC60529 |                                       |

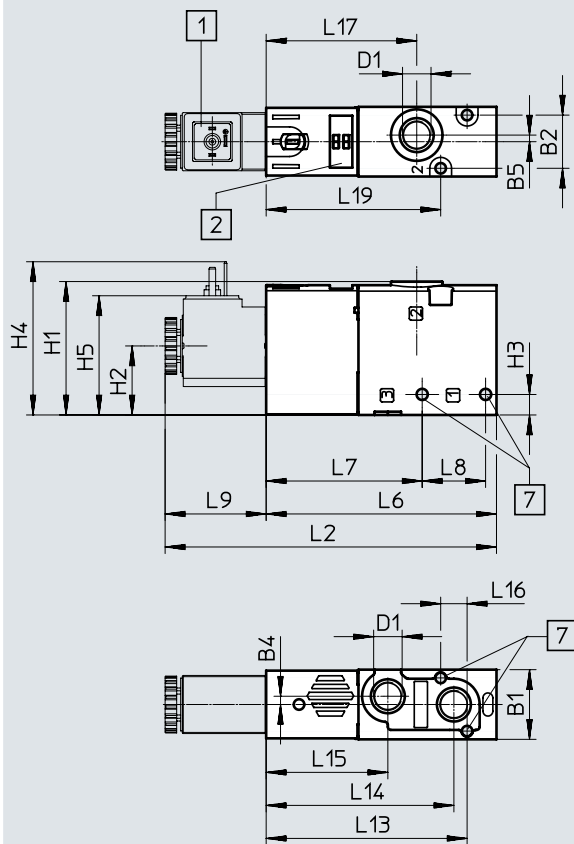
| Materials         |  |                              |
|-------------------|--|------------------------------|
| Housing           |  | Die-cast aluminium (painted) |
| Seals             |  | HNBR, NBR, TPE-U(PU)         |
| Screws            |  | Galvanised steel             |
| Note on materials |  | RoHS-compliant               |

Technical data

Dimensions

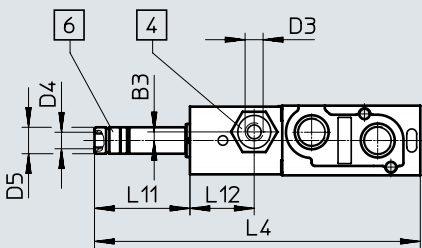
Download CAD data → [www.festo.com](http://www.festo.com)

3/2-way valves, with solenoid coil



- [1] Solenoid coil interface type C  
[2] Space for inscription label

3/2-way valves, without solenoid coil



- [4] Port 10/12 for pilot air supply  
[6] Port 82 for pilot exhaust air  
[7] For screw M3

| Type                        | B1   | B2   | B3  | B4  | B5 | D1   | D3 | D4 | D5<br>ø | H1   | H2   | H3  | H4   | H5   |
|-----------------------------|------|------|-----|-----|----|------|----|----|---------|------|------|-----|------|------|
| VUVS-LT20-M32...MD-G18-...  | 21.1 | 16.1 | –   | 2.5 | 2  | G1/8 | –  | M5 | 8       | 40.4 | 20.9 | 6.2 | 46.7 | 36.4 |
| VUVS-LT20-M32...MZD-G18-... |      |      | 2.6 |     |    |      | M5 |    |         |      |      |     |      |      |

| Type                        | L2    | L4   | L6   | L7   | L8   | L9   | L11 | L12  | L13  | L14  | L15  | L16 | L17  | L19  |
|-----------------------------|-------|------|------|------|------|------|-----|------|------|------|------|-----|------|------|
| VUVS-LT20-M32...MD-G18-...  | 100.4 | 98.8 | 69.8 | 47.3 | 19.2 | 30.6 | 29  | –    | 60.9 | 56.9 | 36.9 | 8   | 45.6 | 52.9 |
| VUVS-LT20-M32...MZD-G18-... |       |      |      |      |      |      |     | 19.5 |      |      |      |     |      |      |

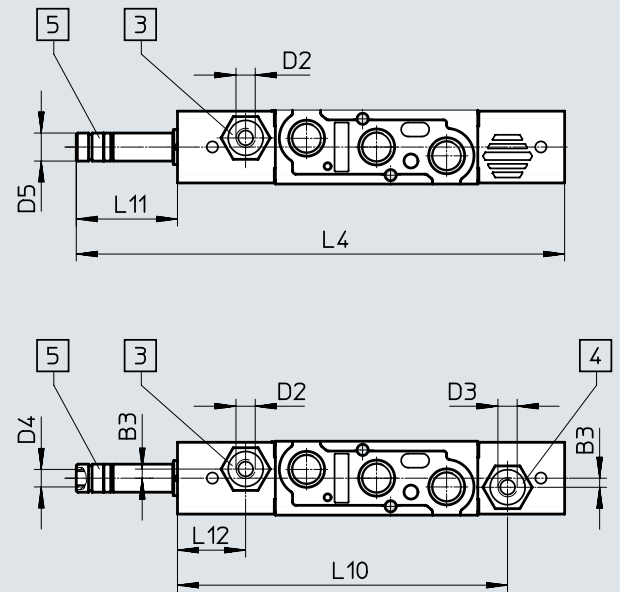
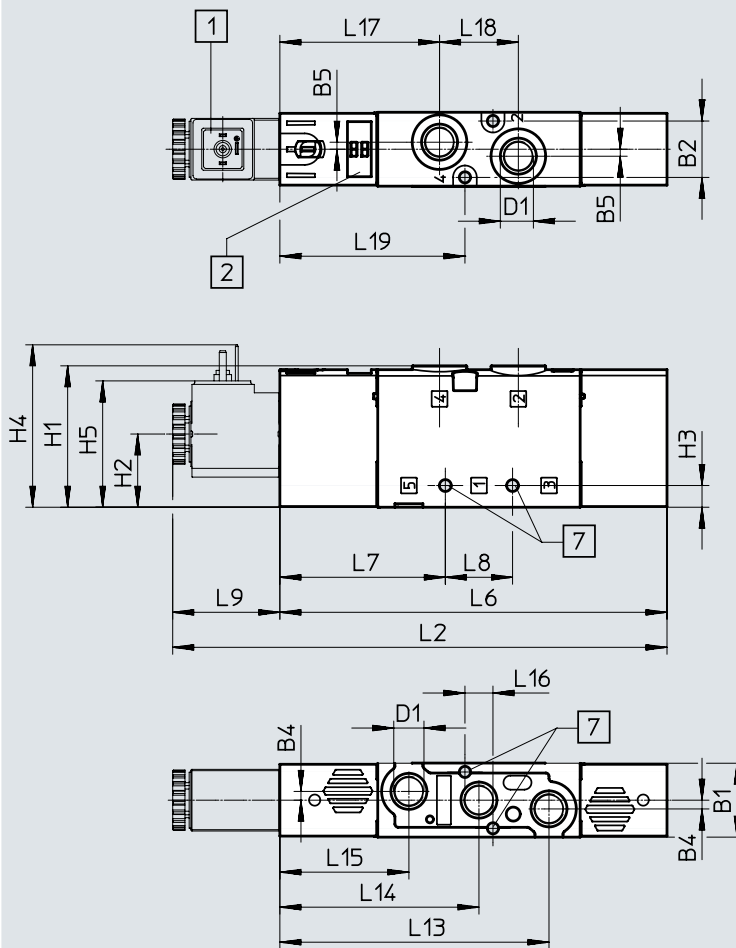
## Technical data

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

5/2-way single solenoid valves, with solenoid coil

5/2-way single solenoid valves, without solenoid coil



- [1] Solenoid coil for interface type C [3] Port 14 for pilot air supply [5] Port 84 for pilot exhaust air [7] For screw M4  
 [2] Space for inscription label [4] Port 12 for pilot air supply (pneumatic spring) [6] For screw M3

| Type                         | B1   | B2   | B3  | B4  | B5 | D1   | D2 | D3 | D4 | D5<br>Ø | H1   | H2   | H3  | H4   | H5   |
|------------------------------|------|------|-----|-----|----|------|----|----|----|---------|------|------|-----|------|------|
| VUVS-LT20-M52-...MD-G18-...  | 21.1 | 16.1 | –   | 2.5 | 2  | G1/8 | –  | –  | M5 | 8       | 40.4 | 20.9 | 5.8 | 46.7 | 36.4 |
| VUVS-LT20-M52-...MZD-G18-... |      |      | 2.6 |     |    |      | M5 | M5 |    |         |      |      |     |      |      |

| Type                         | L2    | L4    | L6    | L7   | L8 | L9   | L10  | L11 | L12  | L13  | L14  | L15  | L16 | L17  | L18  | L19  | L20 |
|------------------------------|-------|-------|-------|------|----|------|------|-----|------|------|------|------|-----|------|------|------|-----|
| VUVS-LT20-M52-...MD-G18-...  | 141.2 | 139.6 | 110.6 | 47.9 | 18 | 30.6 | –    | 29  | –    | 76.9 | 56.9 | 36.9 | 8   | 45.6 | 22.5 | 52.9 | 2   |
| VUVS-LT20-M52-...MZD-G18-... |       |       |       |      |    |      | 94.3 |     | 19.5 |      |      |      |     |      |      |      |     |

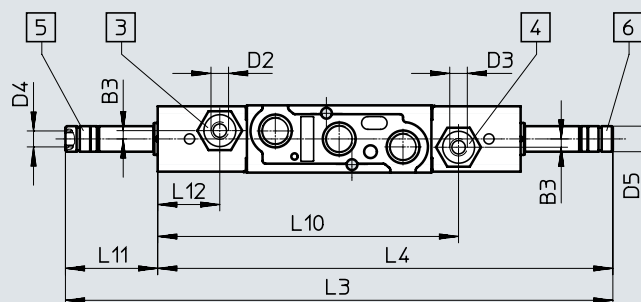
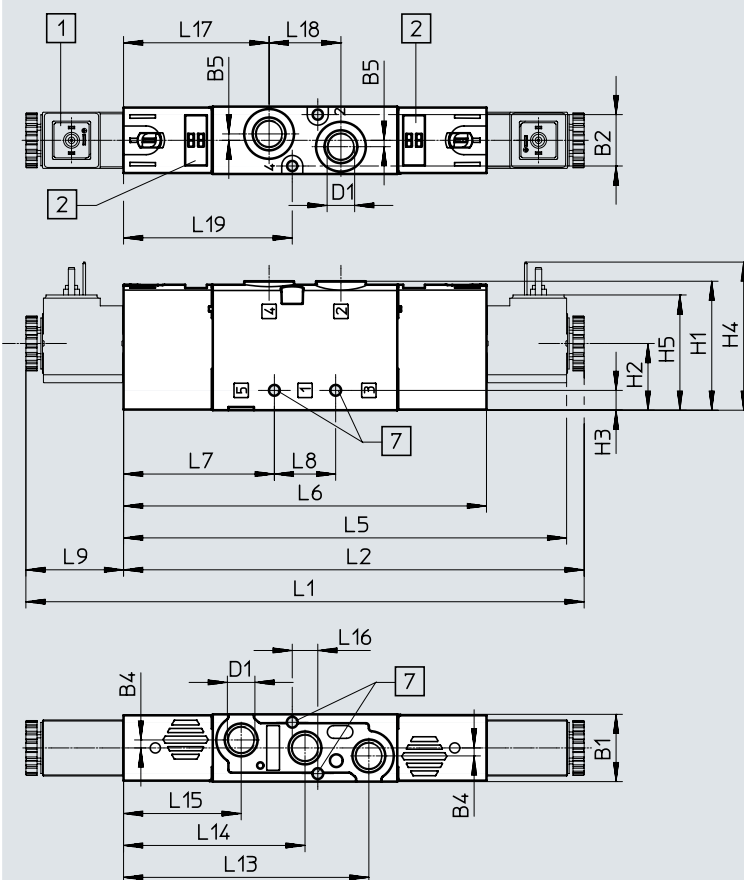
## Technical data

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

2x 3/2-way valves and 5/2-way double solenoid valves, with solenoid coil

2x 3/2-way valves and 5/2-way double solenoid valves, without solenoid coil



[1] Solenoid coil interface type C

[2] Space for inscription label

[3] Port 14 for pilot air supply

[4] Port 12 for pilot air supply

[5] Port 84 for pilot exhaust air

[6] Port 82 for pilot exhaust air

[7] For screw M3

[8] For screw M4

| Type                          | B1   | B2   | B3  | B4  | B5 | D1   | D2 | D3 | D4 | D5<br>ø | H1   |
|-------------------------------|------|------|-----|-----|----|------|----|----|----|---------|------|
| VUVS-LT20-B52-D-G18-...       | 21.1 | 16.1 | –   | 2.5 | 2  | G1/8 | –  | –  | M5 | 8       | 40.4 |
| VUVS-LT20-B52-ZD-G18-...      |      |      | 2.6 |     |    |      | M5 | M5 |    |         |      |
| VUVS-LT20-T32-...-MD-G18-...  |      |      | –   |     |    |      | –  | –  |    |         |      |
| VUVS-LT20-T32-...-MZD-G18-... |      |      | 2.6 |     |    |      | M5 | M5 |    |         |      |

| Type                          | H2   | H3  | H4   | H5   | L1    | L2    | L3    | L4    | L5    | L6    | L7   | L8 |
|-------------------------------|------|-----|------|------|-------|-------|-------|-------|-------|-------|------|----|
| VUVS-LT20-B52-D-G18-...       | 20.9 | 5.8 | 46.7 | 36.4 | 174.9 | 144.3 | 171.7 | 142.7 | 139.1 | 113.7 | 47.9 | 18 |
| VUVS-LT20-B52-ZD-G18-...      |      |     |      |      |       |       |       |       |       |       |      |    |
| VUVS-LT20-T32-...-MD-G18-...  |      |     |      |      |       |       |       |       |       |       |      |    |
| VUVS-LT20-T32-...-MZD-G18-... |      |     |      |      |       |       |       |       |       |       |      |    |

| Type                          | L9   | L10  | L11 | L12  | L13  | L14  | L15  | L16 | L17  | L18  | L19  | L20 |
|-------------------------------|------|------|-----|------|------|------|------|-----|------|------|------|-----|
| VUVS-LT20-B52-D-G18-...       | 30.6 | –    | 29  | –    | 76.9 | 56.9 | 36.9 | 8   | 45.6 | 22.5 | 52.9 | 2   |
| VUVS-LT20-B52-ZD-G18-...      |      | 94.3 |     | 19.5 |      |      |      |     |      |      |      |     |
| VUVS-LT20-T32-...-MD-G18-...  |      | –    |     | –    |      |      |      |     |      |      |      |     |
| VUVS-LT20-T32-...-MZD-G18-... |      | 94.3 |     | 19.5 |      |      |      |     |      |      |      |     |

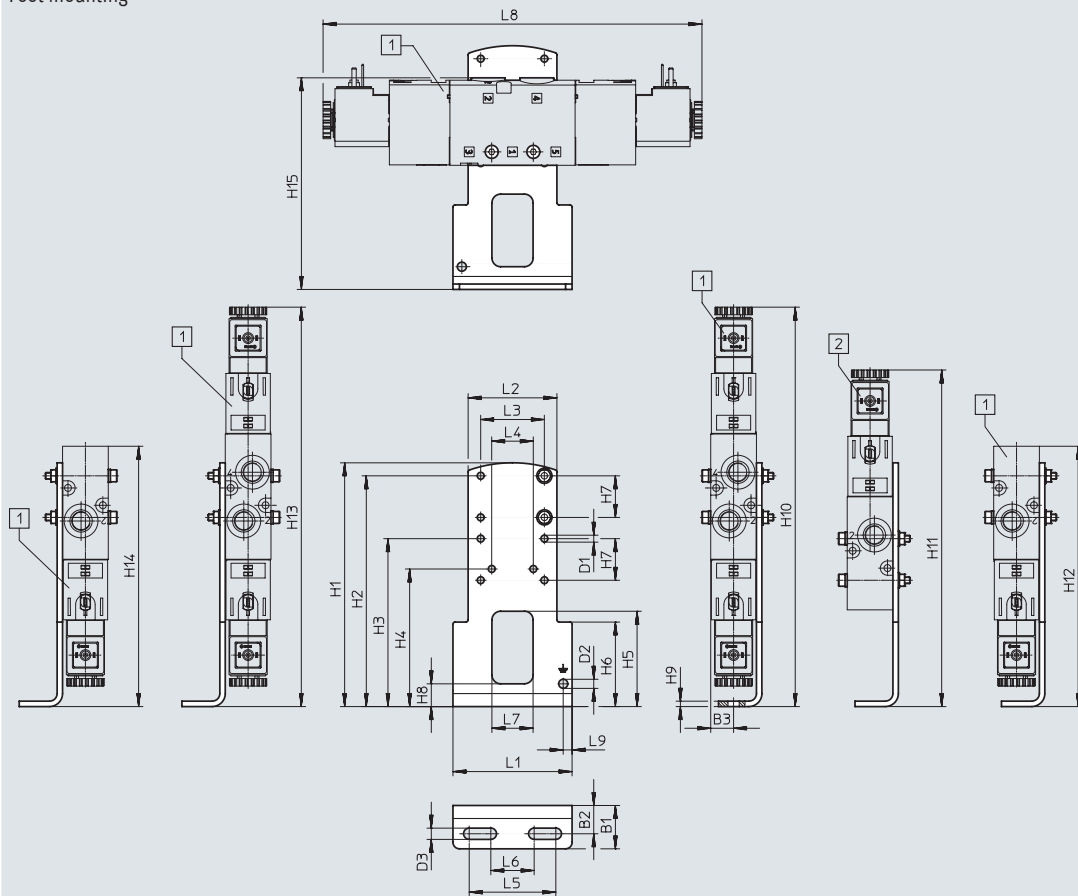


## Accessories

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

## Foot mounting



[1] VUVS-LT20-B52/T32  
VUVS-LT20-M52  
VUVS-LT20-M32

[2] VUVS-LT20-M52  
VUVS-LT20-M32

| Type          |                   | B1 | B2   | B3   | D1<br>Ø | D2<br>Ø | D3  | H1    | H2    | H3   | H4   |
|---------------|-------------------|----|------|------|---------|---------|-----|-------|-------|------|------|
| VAME-B10-20-A | VUVS-LT20-B52/T32 | 20 | 13.1 | 10.6 | 3.2     | 4.2     | 5.2 | 112.5 | 106.5 | 77.5 | 63.5 |
|               | VUVS-LT20-M52     |    |      |      |         |         |     |       |       |      |      |
|               | VUVS-LT20-M32     |    |      |      |         |         |     |       |       |      |      |

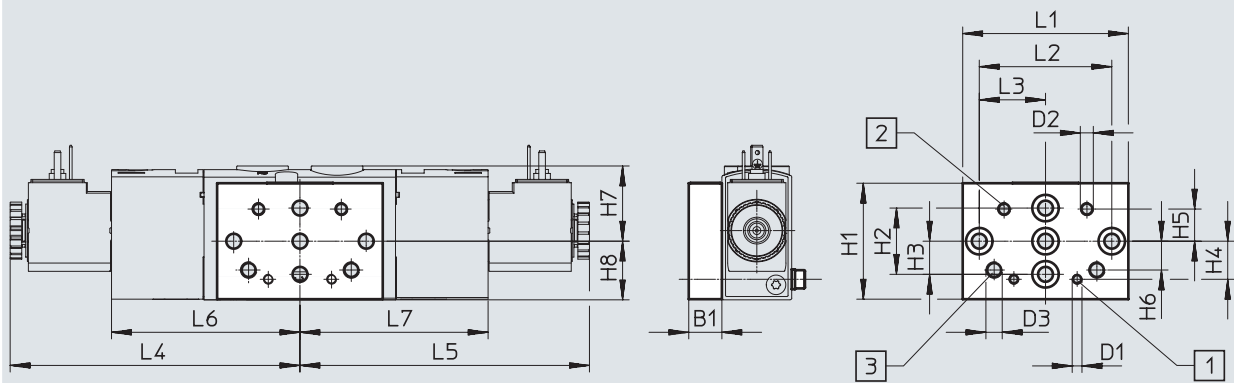
| Type          |                   | H5 | H6 | H7   | H8   | H9  | H10   | H11   | H12   | H13   | H14   |
|---------------|-------------------|----|----|------|------|-----|-------|-------|-------|-------|-------|
| VAME-B10-20-A | VUVS-LT20-B52/T32 | 44 | 39 | 19.2 | 10.5 | 2.5 | 184.4 | –     | 184.4 | 184.4 | 184.4 |
|               | VUVS-LT20-M52     |    |    |      |      |     |       | 155.4 | 150.6 |       | 150.6 |
|               | VUVS-LT20-M32     |    |    |      |      |     |       |       | 109.8 |       | 109.8 |

| Type          |                   | H15  | L1 | L2 | L3   | L4   | L5 | L6 | L7 | L8    | L9  |
|---------------|-------------------|------|----|----|------|------|----|----|----|-------|-----|
| VAME-B10-20-A | VUVS-LT20-B52/T32 | 97.7 | 55 | 41 | 29.4 | 19.2 | 40 | 20 | 19 | 174.9 | 4.1 |
|               | VUVS-LT20-M52     |      |    |    |      |      |    |    |    | 141.2 |     |
|               | VUVS-LT20-M32     |      |    |    |      |      |    |    |    | 100.4 |     |

Accessories

Dimensions Download CAD data → [www.festo.com](http://www.festo.com)

Wall mounting

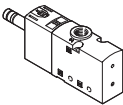
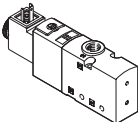
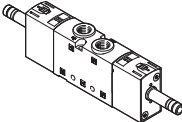


[1] Mounting hole for size 20      [2] Mounting hole for size 25      [3] Mounting hole for size 30

| Type          |                   | B1 | D1 | D2 | D3 | H1 | H2 | H3 | H4   | H5  | H6  |
|---------------|-------------------|----|----|----|----|----|----|----|------|-----|-----|
| VAME-B10-20-W | VUVS-LT20-B52/T32 | 10 | M3 | M4 | M5 | 35 | 20 | 10 | 11.5 | 9.7 | 8.7 |
|               | VUVS-LT20-M52     |    |    |    |    |    |    |    |      |     |     |
|               | VUVS-LT20-M32     |    |    |    |    |    |    |    |      |     |     |

| Type          |                   | H7   | H8   | L1 | L2 | L3 | L4   | L5   | L6   | L7   |
|---------------|-------------------|------|------|----|----|----|------|------|------|------|
| VAME-B10-20-W | VUVS-LT20-B52/T32 | 22.7 | 17.7 | 50 | 40 | 20 | 87.5 | 87.5 | 56.9 | 56.9 |
|               | VUVS-LT20-M52     |      |      |    |    |    |      | 53.7 |      | -    |
|               | VUVS-LT20-M32     |      |      |    |    |    |      | 12.9 |      | -    |

## Accessories

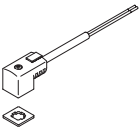
| Ordering data                                                                       |                                                                                             | Code                                                                                        | Valve function            | Part no.                      | Type |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------|-------------------------------|------|
| 3/2-way valve without solenoid coil (24 V DC)                                       |                                                                                             |                                                                                             |                           |                               |      |
|    | Single solenoid, normally closed                                                            |                                                                                             |                           |                               |      |
|                                                                                     | M32C-M                                                                                      | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 577490                    | VUVS-LT20-M32C-MD-G18-F7      |      |
|                                                                                     |                                                                                             | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 577491                    | VUVS-LT20-M32C-MZD-G18-F7     |      |
|                                                                                     | Single solenoid, normally open                                                              |                                                                                             |                           |                               |      |
|                                                                                     | M32U-M                                                                                      | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 577492                    | VUVS-LT20-M32U-MD-G18-F7      |      |
|                                                                                     |                                                                                             | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 577493                    | VUVS-LT20-M32U-MZD-G18-F7     |      |
| 3/2-way valve with solenoid coil (24 V DC)                                          |                                                                                             |                                                                                             |                           |                               |      |
|    | Single solenoid, normally closed, type C                                                    |                                                                                             |                           |                               |      |
|                                                                                     | M32C-M                                                                                      | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 577511                    | VUVS-LT20-M32C-MD-G18-F7-1C1  |      |
|                                                                                     |                                                                                             | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 577512                    | VUVS-LT20-M32C-MZD-G18-F7-1C1 |      |
|                                                                                     | Single solenoid, normally open, type C                                                      |                                                                                             |                           |                               |      |
|                                                                                     | M32U-M                                                                                      | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 577513                    | VUVS-LT20-M32U-MD-G18-F7-1C1  |      |
|                                                                                     |                                                                                             | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 577514                    | VUVS-LT20-M32U-MZD-G18-F7-1C1 |      |
| 2x 3/2-way valve without solenoid coil (24 V DC)                                    |                                                                                             |                                                                                             |                           |                               |      |
|  | Single solenoid, normally closed                                                            |                                                                                             |                           |                               |      |
|                                                                                     | T32C                                                                                        | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 577498                    | VUVS-LT20-T32C-MD-G18-F7      |      |
|                                                                                     |                                                                                             | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 577499                    | VUVS-LT20-T32C-MZD-G18-F7     |      |
|                                                                                     | Single solenoid, normally open                                                              |                                                                                             |                           |                               |      |
|                                                                                     | T32U                                                                                        | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 577500                    | VUVS-LT20-T32U-MD-G18-F7      |      |
|                                                                                     |                                                                                             | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 577501                    | VUVS-LT20-T32U-MZD-G18-F7     |      |
|                                                                                     | Single solenoid, 1x normally open, 1x normally closed                                       |                                                                                             |                           |                               |      |
|                                                                                     | T32H                                                                                        | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 577502                    | VUVS-LT20-T32H-MD-G18-F7      |      |
|                                                                                     | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 577503                                                                                      | VUVS-LT20-T32H-MZD-G18-F7 |                               |      |

## Accessories

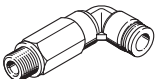
| Ordering data                                                                               |                                                               | Code                                                                                        | Valve function                | Part no.                      | Type |
|---------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------|-------------------------------|------|
| 2x 3/2-way valve with solenoid coil (24 V DC)                                               |                                                               |                                                                                             |                               |                               |      |
|                                                                                             | Single solenoid, normally closed, type C                      |                                                                                             |                               |                               |      |
|                                                                                             | T32C                                                          | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 577519                        | VUVS-LT20-T32C-MD-G18-F7-1C1  |      |
|                                                                                             |                                                               | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 577520                        | VUVS-LT20-T32C-MZD-G18-F7-1C1 |      |
|                                                                                             | Single solenoid, normally open, type C                        |                                                                                             |                               |                               |      |
|                                                                                             | T32U                                                          | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 577521                        | VUVS-LT20-T32U-MD-G18-F7-1C1  |      |
|                                                                                             |                                                               | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 577522                        | VUVS-LT20-T32U-MZD-G18-F7-1C1 |      |
|                                                                                             | Single solenoid, 1x normally open, 1x normally closed, type C |                                                                                             |                               |                               |      |
|                                                                                             | T32H                                                          | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 577523                        | VUVS-LT20-T32H-MD-G18-F7-1C1  |      |
| Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible |                                                               | 577524                                                                                      | VUVS-LT20-T32H-MZD-G18-F7-1C1 |                               |      |
| 5/2-way valve without solenoid coil (24 V DC)                                               |                                                               |                                                                                             |                               |                               |      |
|                                                                                             | Single solenoid                                               |                                                                                             |                               |                               |      |
|                                                                                             | M52-M                                                         | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 577494                        | VUVS-LT20-M52-MD-G18-F7       |      |
|                                                                                             |                                                               | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 577495                        | VUVS-LT20-M52-MZD-G18-F7      |      |
|                                                                                             | Double solenoid                                               |                                                                                             |                               |                               |      |
|                                                                                             | B52                                                           | Internal pilot air supply,<br>flow direction not reversible                                 | 577496                        | VUVS-LT20-B52-D-G18-F7        |      |
|                                                                                             |                                                               | External pilot air supply,<br>flow direction not reversible                                 | 577497                        | VUVS-LT20-B52-ZD-G18-F7       |      |
| 5/2-way valve with solenoid coil (24 V DC)                                                  |                                                               |                                                                                             |                               |                               |      |
|                                                                                             | Single solenoid, type C                                       |                                                                                             |                               |                               |      |
|                                                                                             | M52-M                                                         | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 577515                        | VUVS-LT20-M52-MD-G18-F7-1C1   |      |
|                                                                                             |                                                               | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 577516                        | VUVS-LT20-M52-MZD-G18-F7-1C1  |      |
|                                                                                             |                                                               | Double solenoid                                                                             |                               |                               |      |
| B52                                                                                         |                                                               | Internal pilot air supply,<br>flow direction not reversible                                 | 577517                        | VUVS-LT20-B52-D-G18-F7-1C1    |      |
|                                                                                             |                                                               | External pilot air supply,<br>flow direction not reversible                                 | 577518                        | VUVS-LT20-B52-ZD-G18-F7-1C1   |      |

## Accessories

| Ordering data                                                                     |                                                               |                       |                 |               |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------------|-----------------|---------------|
| Description                                                                       |                                                               | Part no.              | Type            |               |
| Solenoid coils for valves                                                         |                                                               |                       |                 |               |
|  | Plug pattern type C, to DIN EN 175301-803                     | 12 V DC               | 8025331         | VACS-C-C1-5   |
|                                                                                   |                                                               | 24 V DC               | 8025330         | VACS-C-C1-1   |
|                                                                                   |                                                               | 48 V DC               | 8025336         | VACS-C-C1-7   |
|                                                                                   |                                                               | 24 V AC/50-60 Hz      | 8025335         | VACS-C-C1-1A  |
|                                                                                   |                                                               | 48 V AC/50-60 Hz      | 8025337         | VACS-C-C1-7A  |
|                                                                                   |                                                               | 110/120 V AC/50-60 Hz | 8025334         | VACS-C-C1-16B |
|                                                                                   |                                                               | 230/240 V AC/50-60 Hz | 8025338         | VACS-C-C1-3W  |
| Seal set                                                                          |                                                               |                       |                 |               |
|  | For solenoid coil in order to guarantee protection class IP67 | 2643771               | VAMC-B10-C-B-S8 |               |
| Cover cap                                                                         |                                                               |                       |                 |               |
|  | For manual override, non-detenting or covered                 | 8028240               | VAMC-B10-20-CH2 |               |

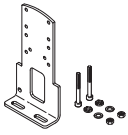
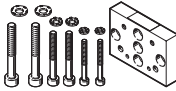
| Ordering data                                                                       |                                                 | Description                          |                   |        | Part no.       | Type                    |
|-------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------|-------------------|--------|----------------|-------------------------|
| Plug socket                                                                         |                                                 |                                      |                   |        |                |                         |
|   | Plug pattern type C, to DIN EN 175301-803       |                                      |                   |        |                |                         |
|                                                                                     | 3-pin, screw terminal                           | Cable connector M12                  | 0 ... 250 V AC/DC | IP65   | 539712         | MSSD-EB-M12             |
|                                                                                     |                                                 | Cable connector Pg7                  |                   |        | ★ 151687       | MSSD-EB                 |
|                                                                                     | 4-pin, insulation displacement connector        | Cable connector M14                  | 0 ... 250 V AC/DC | IP67   | 192745         | MSSD-EB-S-M14           |
|                                                                                     | 3-pin, angled socket                            | Cable connector M12                  | 0 ... 24 V DC     | IP65   | 570367         | MSSD-EB-M12-24VDC-SD-EX |
| Adapter                                                                             |                                                 |                                      |                   |        |                |                         |
|  | Socket type C, to EN 175301-803                 | Plug connector M12x1, 2-pin, A-coded | 12 ... 24 V AC/DC | IP65   | 188024         | MSSD-EB-M12-MONO        |
| Plug socket with cable                                                              |                                                 |                                      |                   |        |                |                         |
|  | Plug pattern type C, to DIN EN 175301-803       |                                      |                   |        |                |                         |
|                                                                                     | Angled socket, 3-pin<br>Cable, open end, 3-wire | 24 V DC                              | LED               | 2.5 m  | ★ 151688       | KMEB-1-24-2,5-LED       |
|                                                                                     |                                                 |                                      |                   | 5 m    | 151689         | KMEB-1-24-5-LED         |
|                                                                                     |                                                 |                                      |                   | 10 m   | 193457         | KMEB-1-24-10-LED        |
|                                                                                     |                                                 | 230 V AC                             | –                 | 2.5 m  | 151690         | KMEB-1-230AC-2,5        |
|                                                                                     |                                                 |                                      |                   | 5 m    | 151691         | KMEB-1-230AC-5          |
| Illuminating seal                                                                   |                                                 |                                      |                   |        |                |                         |
|  | Plug pattern type C, to DIN EN 175301-803       | 24 V DC                              |                   | 151717 | MEB-LD-12-24DC |                         |
|                                                                                     |                                                 | 230 V AC                             |                   | 151718 | MEB-LD-230AC   |                         |

## Accessories

| Ordering data                                                                      |                                                    | Description |                 | Part no.        | Type | PU <sup>1)</sup> |
|------------------------------------------------------------------------------------|----------------------------------------------------|-------------|-----------------|-----------------|------|------------------|
| Push-in fitting with internal hex                                                  |                                                    |             |                 |                 |      |                  |
|    | Connecting thread M5 for tubing O.D.               | 4 mm        | ★ 153315        | QSM-M5-4-I      | 10   |                  |
|                                                                                    | Connecting thread G1/8 for tubing O.D.             | 4 mm        | ★ 186106        | QS-G1/8-4-I     | 10   |                  |
|                                                                                    |                                                    |             | 133008          | QS-G1/8-4-I-100 | 100  |                  |
|                                                                                    |                                                    | 6 mm        | ★ 186107        | QS-G1/8-6-I     | 10   |                  |
|                                                                                    |                                                    |             | 133009          | QS-G1/8-6-I-100 | 100  |                  |
|                                                                                    |                                                    | 8 mm        | ★ 186109        | QS-G1/8-8-I     | 10   |                  |
|                                                                                    |                                                    | 133010      | QS-G1/8-8-I-100 | 100             |      |                  |
| Angled push-in fitting with external hex                                           |                                                    |             |                 |                 |      |                  |
|    | Connecting thread G1/8 for tubing O.D.             | 4 mm        | ★ 186116        | QSL-G1/8-4      | 10   |                  |
|                                                                                    |                                                    |             | 132048          | QSL-G1/8-4-100  | 100  |                  |
|                                                                                    |                                                    | 6 mm        | ★ 186117        | QSL-G1/8-6      | 10   |                  |
|                                                                                    |                                                    |             | 132049          | QSL-G1/8-6-100  | 100  |                  |
|                                                                                    |                                                    | 8 mm        | ★ 186119        | QSL-G1/8-8      | 10   |                  |
|                                                                                    |                                                    | 132050      | QSL-G1/8-8-50   | 50              |      |                  |
| Angled push-in fitting, long, with external hex                                    |                                                    |             |                 |                 |      |                  |
|    | Connecting thread G1/8 for tubing O.D.             | 4 mm        | 186127          | QSLL-G1/8-4     | 10   |                  |
|                                                                                    |                                                    |             | 133015          | QSLL-G1/8-4-100 | 100  |                  |
|                                                                                    |                                                    | 6 mm        | 186128          | QSLL-G1/8-6     | 10   |                  |
|                                                                                    |                                                    |             | 133016          | QSLL-G1/8-6-100 | 100  |                  |
|                                                                                    |                                                    | 8 mm        | 186130          | QSLL-G1/8-8     | 10   |                  |
|                                                                                    |                                                    | 133017      | QSLL-G1/8-8-100 | 100             |      |                  |
| Silencer                                                                           |                                                    |             |                 |                 |      |                  |
|  | With connecting thread G,<br>Polymer design        | G1/8        | ★ 2307          | U-1/8           | 1    |                  |
|                                                                                    |                                                    |             | 534222          | U-1/8-50        | 50   |                  |
|  | With connecting thread G,<br>Metal version         | G1/8        | 6841            | U-1/8-B         | 1    |                  |
|  | With connecting thread G,<br>Sintered design, long | G1/8        | ★ 1205860       | AMTE-M-LH-G18   | 20   |                  |

1) Packaging unit

## Accessories

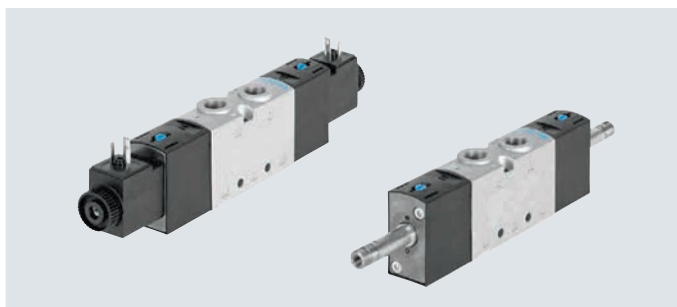
| Ordering data                                                                     | Description                                                 | Weight<br>[g] | Part no. | Type           |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------|---------------|----------|----------------|
| <b>Foot mounting</b>                                                              |                                                             |               |          |                |
|  | With screw set for attaching the valve to the foot mounting | 97            | 576412   | VAME-B10-20-A  |
| <b>Wall mounting</b>                                                              |                                                             |               |          |                |
|  | With screw set for attaching the valve to the wall mounting | 53            | 576413   | VAME-B10-20-W  |
| <b>Assortment of spare parts</b>                                                  |                                                             |               |          |                |
|  | Set comprising seals and screws                             | 10            | 8026203  | VAME-B10-20-MK |
| <b>Inscription label</b>                                                          |                                                             |               |          |                |
|  | 40 pieces in frame                                          | –             | 565306   | ASLR-C-E4      |

## Technical data

-  - Flow rate  
up to 1000 l/min

-  - Valve width  
26.5 mm

-  - Voltage  
24 V DC



| General technical data                    |                 |                                                 |           |              |              |              |               |              |
|-------------------------------------------|-----------------|-------------------------------------------------|-----------|--------------|--------------|--------------|---------------|--------------|
| Valve function                            |                 | 3/2-way valve                                   |           |              |              |              | 5/2-way valve |              |
| Order code for valves                     |                 | M32C                                            | M32U      | T32C         | T32U         | T32H         | M52           | B52          |
| Valve width                               | [mm]            | 26.5                                            |           |              |              |              |               |              |
| Nominal width                             | Diameter [mm]   | 6.9                                             | 6.6       | 6.9          | 6.6          | 6.9          | 6.6           | 6.6          |
| Design                                    |                 | Poppet seat                                     |           |              |              |              |               |              |
| Flow direction                            |                 | Non-reversible                                  |           |              |              |              |               |              |
| Pilot air supply                          |                 | Internal or external                            |           |              |              |              |               |              |
| Type of control                           |                 | Piloted                                         |           |              |              |              |               |              |
| Manual override                           |                 | Non-detenting, detenting                        |           |              |              |              |               |              |
| Overlap                                   |                 | Negative overlap                                |           |              |              |              |               |              |
| Sealing principle                         |                 | Soft                                            |           |              |              |              |               |              |
| Type of mounting                          |                 | Optionally via through-hole or on manifold rail |           |              |              |              |               |              |
| Standard nominal flow rate q <sub>N</sub> | [l/min]         | 1000                                            |           |              |              |              |               |              |
| Actuation type                            |                 | Electric                                        |           |              |              |              |               |              |
| Mounting position                         |                 | Any                                             |           |              |              |              |               |              |
| Exhaust air function                      |                 | Can be throttled                                |           |              |              |              |               |              |
| Connection for venting hole               |                 | Not ducted                                      |           |              |              |              |               |              |
| b value                                   |                 | 0.4                                             | 0.3       | 0.4          | 0.3          | 0.4          | 0.3           | 0.2          |
| c value                                   | [l/sbar]        | 4.4                                             | 4.2       | 4.5          | 4.4          | 4.4          | 4.5           | 4.6          |
| Pneumatic connection                      | 1, 2, 3<br>4, 5 | G1/4<br>–                                       | G1/4<br>– | G1/4<br>G1/4 | G1/4<br>G1/4 | G1/4<br>G1/4 | G1/4<br>G1/4  | G1/4<br>G1/4 |
| Pilot air port 12, 14                     |                 | M5                                              | M5        | M5           | M5           | M5           | M5            | M5           |
| Pilot exhaust air connection 82, 84       |                 | M5                                              | M5        | M5           | M5           | M5           | M5            | M5           |

| ATEX                                                          |                                             |
|---------------------------------------------------------------|---------------------------------------------|
| Type                                                          | VUVS-LT-...-EX2                             |
| ATEX category for gas                                         | II 3G                                       |
| Type of ignition protection for gas                           | Ex ec IIC T4 Gc X                           |
| ATEX category for dust                                        | II 3D                                       |
| Type of ignition protection for dust                          | Ex tc IIIC T115°C Dc X                      |
| Explosion-proof ambient temperature [°C]                      | –10°C ≤ Ta ≤ +60°C                          |
| CE marking<br>(see declaration of conformity) <sup>1)</sup>   | To EU Explosion Protection Directive (ATEX) |
| UKCA marking<br>(see declaration of conformity) <sup>1)</sup> | To UK EX instructions                       |
| Explosion protection certification outside the EU             | EPL Dc (GB)                                 |
|                                                               | EPL Gc (GB)                                 |

<sup>1)</sup> For information about the area of use, see the EC declaration of conformity at: [www.festo.com/catalogue/...](http://www.festo.com/catalogue/...) → Support/Downloads.

If the devices are subject to usage restrictions in residential, commercial or light-industrial environments, further measures for the reduction of the emitted interference may be necessary.



## Technical data

| Technical data                       |             | M32C              | M32U       | T32C              | T32U       | T32H                  | M52               | B52      |
|--------------------------------------|-------------|-------------------|------------|-------------------|------------|-----------------------|-------------------|----------|
| Order code for valves                |             |                   |            |                   |            |                       |                   |          |
| Normal position                      |             | Closed            | Open       | 2x closed         | 2x open    | 1x open/<br>1x closed | –                 | –        |
| Stable position                      |             | Monostable        | Monostable | Monostable        | Monostable | Monostable            | Monostable        | Bistable |
| Reset method                         |             | Mechanical spring |            | Mechanical spring |            |                       | Mechanical spring | –        |
| Switching times in [ms]              | On          | 10                | 10         | 10                | 10         | 10                    | 13                | –        |
|                                      | Off         | 23                | 27         | 25                | 25         | 25                    | 22                | –        |
|                                      | Change over | –                 | –          | –                 | –          | –                     | –                 | 10       |
| Product weight without solenoid coil | [g]         | 208               | 208        | 312               | 312        | 312                   | 299               | 310      |
| Product weight with solenoid coil    | [g]         | 260               | 260        | 415               | 415        | 415                   | 351               | 415      |

| Safety data                           |     |                                                                                  |
|---------------------------------------|-----|----------------------------------------------------------------------------------|
| Max. positive test pulse with logic 0 | [s] | 2000 (valves with VACF-B-...-1)                                                  |
| Max. negative test pulse with logic 1 | [s] | 3600 (valves with VACF-B-...-1)                                                  |
| Shock resistance                      |     | Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27                |
| Vibration resistance                  |     | Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 |

| Operating and environmental conditions            |       |                                                                                            |      |      |      |      |             |            |
|---------------------------------------------------|-------|--------------------------------------------------------------------------------------------|------|------|------|------|-------------|------------|
| Order code for valves                             |       | M32C                                                                                       | M32U | T32C | T32U | T32H | M52         | B52        |
| Operating medium                                  |       | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |      |      |      |      |             |            |
| Pilot medium                                      |       | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |      |      |      |      |             |            |
| Note on operating/pilot medium                    |       | Lubricated operation possible (in which case lubricated operation will always be required) |      |      |      |      |             |            |
| Operating pressure with internal pilot air supply | [MPa] | 0.25 ... 1                                                                                 |      |      |      |      | 0.25 ... 1  | 0.15 ... 1 |
|                                                   | [bar] | 2.5 ... 10                                                                                 |      |      |      |      | 2.5 ... 10  | 1.5 ... 10 |
| Operating pressure with external pilot air supply | [MPa] | −0.09 ... 1                                                                                |      |      |      |      | 0.25 ... 1  | 0.15 ... 1 |
|                                                   | [bar] | −0.9 ... 10                                                                                |      |      |      |      | 2.5 ... 10  | 1.5 ... 10 |
| Pilot pressure                                    | [MPa] | 0.25 ... 1                                                                                 |      |      |      |      | 0.25 ... 1  | 0.15 ... 1 |
|                                                   | [bar] | 2.5 ... 10                                                                                 |      |      |      |      | 2.5 ... 10  | 1.5 ... 10 |
| Ambient temperature                               | [°C]  | −5 ... +60                                                                                 |      |      |      |      | −10 ... +60 |            |
| Temperature of medium                             | [°C]  | −5 ... +60                                                                                 |      |      |      |      | −10 ... +60 |            |
| Certification                                     |       | c UL us - Recognized (OL)                                                                  |      |      |      |      |             |            |
| Corrosion resistance class CRC <sup>1)</sup>      |       | 2                                                                                          |      |      |      |      |             |            |

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

## Technical data

| Electrical data                  |                                                                        |                                       |
|----------------------------------|------------------------------------------------------------------------|---------------------------------------|
|                                  | With solenoid coil                                                     | Without solenoid coil                 |
| Electrical connection            | Plug type C to EN 175301-803, plug type B to industry standard (11 mm) | Via solenoid coil<br>→ Internet: vacf |
| Operating voltage                | [V DC] 24                                                              |                                       |
| Permissible voltage fluctuations | [%] 10                                                                 |                                       |
| Power                            | [W] 3.3                                                                |                                       |
| Duty cycle                       | [%] 100                                                                |                                       |
| Degree of protection to EN 60529 | IP65 with plug socket                                                  |                                       |
| Materials                        |                                                                        |                                       |
| Housing                          | Die-cast aluminium (painted)                                           |                                       |
| Seals                            | HNBR, NBR, TPE-U(PU)                                                   |                                       |
| Screws                           | Galvanised steel                                                       |                                       |
| Note on materials                | RoHS-compliant                                                         |                                       |

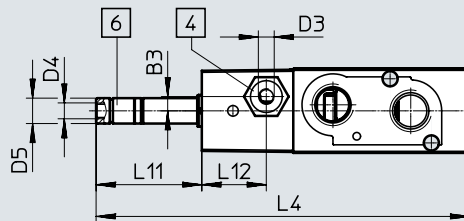
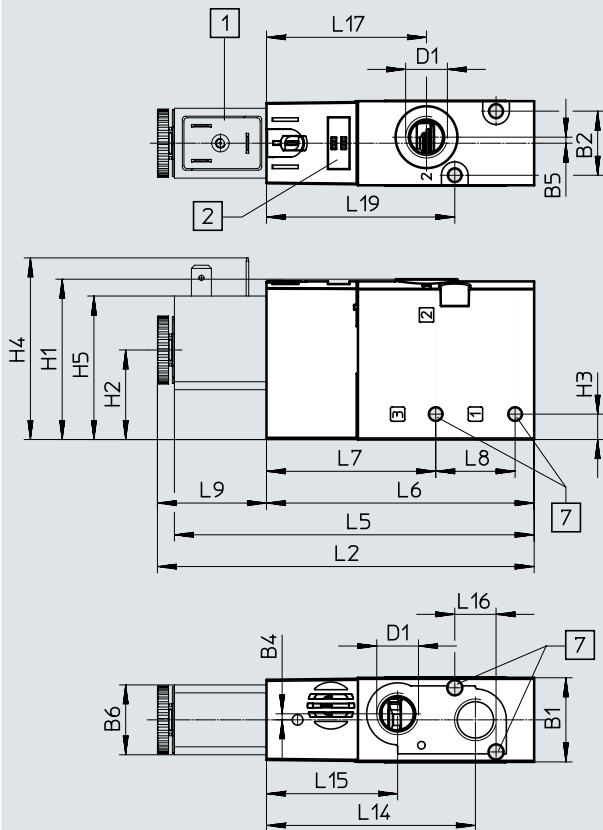
## Technical data

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

3/2-way valves, with solenoid coil

3/2-way valves, without solenoid coil

[1] Solenoid coil interface type B/  
type C

[4] Port 10/12 for pilot air supply

[6] Port 82 for pilot exhaust air

[7] For screw M4

[2] Space for inscription label

| Type                        | B1   | B2   | B3  | B4  | B5  | B6 | D1   | D3 | D4 | D5<br>Ø | H1   | H2   | H3 | H4   | H5   |
|-----------------------------|------|------|-----|-----|-----|----|------|----|----|---------|------|------|----|------|------|
| VUVS-LT25-M32-...D-G14-...  | 26.5 | 20.2 | –   | 1.9 | 1.9 | 22 | G1/4 | –  | M5 | 8       | 50.5 | 28.2 | 8  | 57.2 | 45.2 |
| VUVS-LT25-M32-...ZD-G14-... |      |      | 4.5 |     |     |    |      | M5 |    |         |      |      |    |      |      |

| Type                        | L2    | L4    | L5    | L6   | L7   | L8 | L9   | L11  | L12  | L14  | L15  | L16 | L17  | L19  |
|-----------------------------|-------|-------|-------|------|------|----|------|------|------|------|------|-----|------|------|
| VUVS-LT25-M32-...D-G14-...  | 118.7 | 117.6 | 113.3 | 84.3 | 53.3 | 25 | 34.4 | 33.3 | –    | 65.8 | 41.3 | 13  | 50.4 | 59.3 |
| VUVS-LT25-M32-...ZD-G14-... |       |       |       |      |      |    |      |      | 20.3 |      |      |     |      |      |

Technical data

**Dimensions**

5/2-way single solenoid valves, with solenoid coil

Download CAD data → [www.festo.com](http://www.festo.com)

5/2-way single solenoid valves, without solenoid coil

[1] Solenoid coil

[2] Space for inscription label

[3] Port 14 for pilot air supply

[4] Port 12 for pilot air supply

[5] Port 84 for pilot exhaust air

[7] For screw M4

| Type                        | B1   | B2   | B3  | B4  | B5  | B6 | D1   | D2 | D3 | D4 | D5<br>Ø | H1   | H2   | H3 | H4   | H5   |
|-----------------------------|------|------|-----|-----|-----|----|------|----|----|----|---------|------|------|----|------|------|
| VUVS-LT25-M52-...D-G14-...  | 26.5 | 20.2 | –   | 1.9 | 1.9 | 22 | G1/4 | –  | –  | M5 | 8       | 50.5 | 28.2 | 8  | 57.2 | 45.2 |
| VUVS-LT25-M52-...ZD-G14-... |      |      | 4.5 |     |     |    |      | M5 | M5 |    |         |      |      |    |      |      |

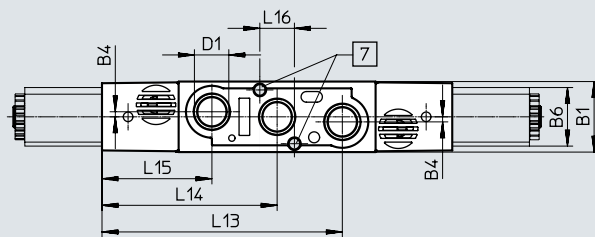
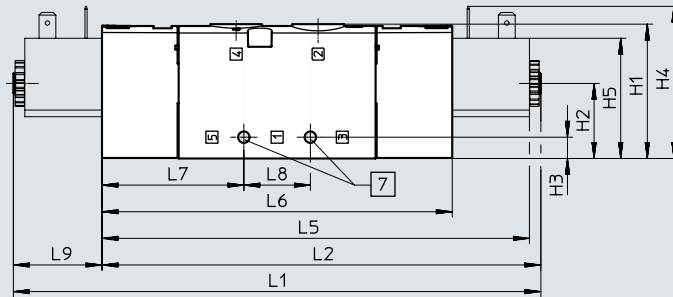
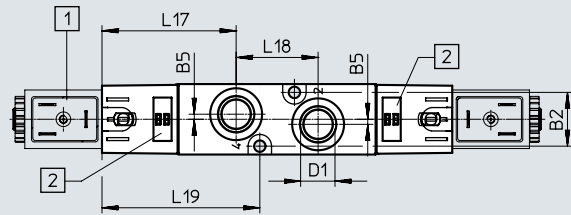
| Type                        | L2    | L4    | L5    | L6    | L7   | L8 | L9   | L10   | L11  | L12  | L13  | L14  | L15  | L16 | L17  | L18  | L19  |
|-----------------------------|-------|-------|-------|-------|------|----|------|-------|------|------|------|------|------|-----|------|------|------|
| VUVS-LT25-M52-...D-G14-...  | 162.2 | 161.1 | 156.8 | 127.8 | 53.3 | 25 | 34.4 | –     | 33.3 | –    | 90.3 | 65.8 | 41.3 | 13  | 50.4 | 30.8 | 59.3 |
| VUVS-LT25-M52-...ZD-G14-... |       |       |       |       |      |    |      | 111.3 |      | 20.3 |      |      |      |     |      |      |      |

## Technical data

## Dimensions

2x 3/2-way valves and 5/2-way double solenoid valves, with solenoid coil

2x 3/2-way valves and 5/2-way double solenoid valves, without solenoid coil

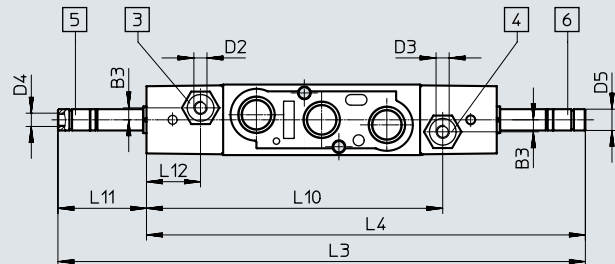


[1] Solenoid coil

[2] Space for inscription label

[3] Port 14 for pilot air supply

[4] Port 12 for pilot air supply



[5] Port 84 for pilot exhaust air

[6] Port 82 for pilot exhaust air

[7] For screw M4

| Type                      | B1   | B2   | B3  | B4  | B5  | B6 | D1   | D2 | D3 | D4 | D5<br>Ø | H1   |
|---------------------------|------|------|-----|-----|-----|----|------|----|----|----|---------|------|
| VUVS-LT25-B52-D-G14-...   | 26.5 | 20.2 | –   | 1.9 | 1.9 | 22 | G1/4 | –  | –  | M5 | 8       | 50.5 |
| VUVS-LT25-B52-ZD-G14-...  |      |      | 4.5 |     |     |    |      | M5 | M5 |    |         |      |
| VUVS-LT25-T32-MD-G14-...  |      |      | –   |     |     |    |      | –  | –  |    |         |      |
| VUVS-LT25-T32-MZD-G14-... |      |      | 4.5 |     |     |    |      | M5 | M5 |    |         |      |

| Type                      | H2   | H3 | H4   | H5   | L1    | L2  | L3    | L4    | L5    | L6    | L7   | L8 |
|---------------------------|------|----|------|------|-------|-----|-------|-------|-------|-------|------|----|
| VUVS-LT25-B52-D-G14-...   | 28.2 | 8  | 57.2 | 45.2 | 200.3 | 166 | 198.2 | 164.9 | 160.6 | 131.6 | 53.3 | 25 |
| VUVS-LT25-B52-ZD-G14-...  |      |    |      |      |       |     |       |       |       |       |      |    |
| VUVS-LT25-T32-MD-G14-...  |      |    |      |      |       |     |       |       |       |       |      |    |
| VUVS-LT25-T32-MZD-G14-... |      |    |      |      |       |     |       |       |       |       |      |    |

| Type                      | L9   | L10   | L11  | L12  | L13  | L14  | L15  | L16 | L17  | L18  | L19  |
|---------------------------|------|-------|------|------|------|------|------|-----|------|------|------|
| VUVS-LT25-B52-D-G14-...   | 33.3 | –     | 33.3 | –    | 90.3 | 65.8 | 41.3 | 13  | 50.4 | 30.8 | 59.3 |
| VUVS-LT25-B52-ZD-G14-...  |      | 111.3 |      | 20.3 |      |      |      |     |      |      |      |
| VUVS-LT25-T32-MD-G14-...  |      | –     |      | –    |      |      |      |     |      |      |      |
| VUVS-LT25-T32-MZD-G14-... |      | 111.3 |      | 20.3 |      |      |      |     |      |      |      |

Accessories

Dimensions

Foot mounting

Download CAD data → [www.festo.com](http://www.festo.com)

[1] VUVS-LT25-B52  
VUVS-LT25-T32  
VUVS-LT25-M52  
VUVS-LT25-M32

[2] VUVS-LT25-M52,  
VUVS-LT25-M32

| Type          |                   | B1 | B2   | B3   | D1<br>Ø | D2<br>Ø | D3  | H1  | H2    | H3 | H4   |
|---------------|-------------------|----|------|------|---------|---------|-----|-----|-------|----|------|
| VAME-B10-25-A | VUVS-LT25-B52/T32 | 24 | 15.8 | 13.3 | 4.2     | 4.2     | 5.2 | 130 | 122.5 | 91 | 80.5 |
|               | VUVS-LT25-M52     |    |      |      |         |         |     |     |       |    |      |
|               | VUVS-LT25-M32     |    |      |      |         |         |     |     |       |    |      |

| Type          |                   | H5   | H6   | H7 | H8 | H9  | H10   | H11   | H12   | H13   | H14   |
|---------------|-------------------|------|------|----|----|-----|-------|-------|-------|-------|-------|
| VAME-B10-25-A | VUVS-LT25-B52/T32 | 48.5 | 41.5 | 25 | 11 | 2.5 | 210.2 | –     | 210.2 | 210.2 | 210.2 |
|               | VUVS-LT25-M52     |      |      |    |    |     |       | 178.7 | 172   |       | 172   |
|               | VUVS-LT25-M32     |      |      |    |    |     |       |       | 138.9 |       | 138.9 |

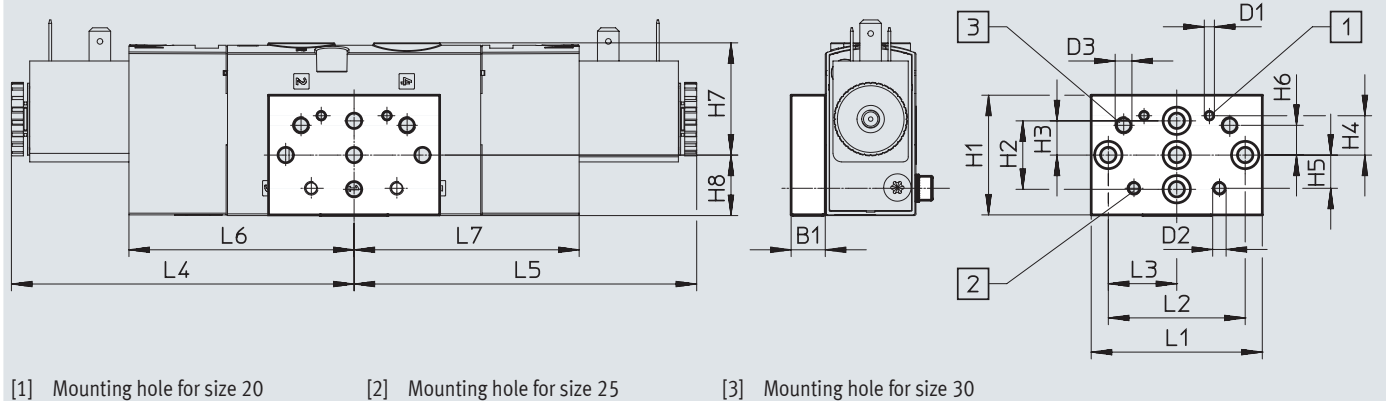
| Type          |                   | H15 | L1 | L2   | L3   | L4 | L5 | L6 | L7   | L8    | L9  |
|---------------|-------------------|-----|----|------|------|----|----|----|------|-------|-----|
| VAME-B10-25-A | VUVS-LT25-B52/T32 | 123 | 55 | 49.4 | 40.4 | 25 | 40 | 20 | 23.5 | 200.3 | 4.1 |
|               | VUVS-LT25-M52     |     |    |      |      |    |    |    |      | 162.2 |     |
|               | VUVS-LT25-M32     |     |    |      |      |    |    |    |      | 118.7 |     |

## Accessories

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

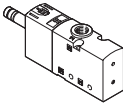
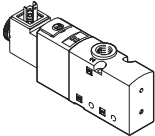
Wall mounting



| Type          |                   | B1 | D1 | D2 | D3 | H1 | H2 | H3 | H4   | H5  | H6  |
|---------------|-------------------|----|----|----|----|----|----|----|------|-----|-----|
| VAME-B10-20-W | VUVS-LT25-B52/T32 | 10 | M3 | M4 | M5 | 35 | 20 | 10 | 11.5 | 9.7 | 8.7 |
|               | VUVS-LT25-M52     |    |    |    |    |    |    |    |      |     |     |
|               | VUVS-LT25-M32     |    |    |    |    |    |    |    |      |     |     |

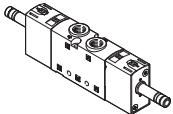
| Type          |                   | H7   | H8   | L1 | L2 | L3 | L4    | L5    | L6   | L7   |
|---------------|-------------------|------|------|----|----|----|-------|-------|------|------|
| VAME-B10-20-W | VUVS-LT25-B52/T32 | 32.8 | 17.7 | 50 | 40 | 20 | 100.2 | 100.2 | 65.8 | 65.8 |
|               | VUVS-LT25-M52     |      |      |    |    |    |       | 62    |      | -    |
|               | VUVS-LT25-M32     |      |      |    |    |    |       | 18.5  |      | -    |

## Accessories

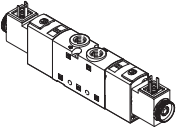
| Ordering data                                                                    |                                          |                                                                                             |          |                               |
|----------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------------------------|----------|-------------------------------|
|                                                                                  | Code                                     | Valve function                                                                              | Part no. | Type                          |
| 3/2-way valve without solenoid coil                                              |                                          |                                                                                             |          |                               |
|  | Single solenoid, normally closed         |                                                                                             |          |                               |
|                                                                                  | M32C-M                                   | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8035167  | VUVS-LT25-M32C-MD-G14-F8      |
|                                                                                  |                                          | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8035168  | VUVS-LT25-M32C-MZD-G14-F8     |
|                                                                                  | Single solenoid, normally open           |                                                                                             |          |                               |
|                                                                                  | M32U-M                                   | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8035174  | VUVS-LT25-M32U-MD-G14-F8      |
|                                                                                  |                                          | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8035175  | VUVS-LT25-M32U-MZD-G14-F8     |
| 3/2-way valve with solenoid coil (24 V DC)                                       |                                          |                                                                                             |          |                               |
|  | Single solenoid, normally closed, type C |                                                                                             |          |                               |
|                                                                                  | M32C-M                                   | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8035169  | VUVS-LT25-M32C-MD-G14-F8-1C1  |
|                                                                                  |                                          | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8035170  | VUVS-LT25-M32C-MZD-G14-F8-1C1 |
|                                                                                  | Single solenoid, normally closed, type B |                                                                                             |          |                               |
|                                                                                  | M32C-M                                   | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8035171  | VUVS-LT25-M32C-MD-G14-F8-1B2  |
|                                                                                  |                                          | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8035172  | VUVS-LT25-M32C-MZD-G14-F8-1B2 |
|                                                                                  | Single solenoid, normally open, type C   |                                                                                             |          |                               |
|                                                                                  | M32U-M                                   | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8035176  | VUVS-LT25-M32U-MD-G14-F8-1C1  |
|                                                                                  |                                          | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8035177  | VUVS-LT25-M32U-MZD-G14-F8-1C1 |
|                                                                                  | Single solenoid, normally open, type B   |                                                                                             |          |                               |
|                                                                                  | M32U-M                                   | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8035178  | VUVS-LT25-M32U-MD-G14-F8-1B2  |
|                                                                                  |                                          | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8035179  | VUVS-LT25-M32U-MZD-G14-F8-1B2 |



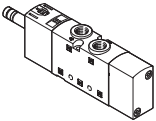
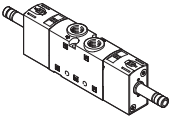
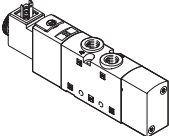
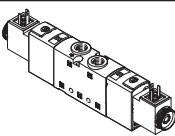
## Accessories

| Ordering data                                                                     |                                                       |                                                                                             |          |                           |
|-----------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------------------------------|----------|---------------------------|
|                                                                                   | Code                                                  | Valve function                                                                              | Part no. | Type                      |
| 2x 3/2-way valve without solenoid coil                                            |                                                       |                                                                                             |          |                           |
|  | Single solenoid, normally closed                      |                                                                                             |          |                           |
|                                                                                   | T32C                                                  | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8035195  | VUVS-LT25-T32C-MD-G14-F8  |
|                                                                                   |                                                       | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8035196  | VUVS-LT25-T32C-MZD-G14-F8 |
|                                                                                   | Single solenoid, normally open                        |                                                                                             |          |                           |
|                                                                                   | T32U                                                  | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8035202  | VUVS-LT25-T32U-MD-G14-F8  |
|                                                                                   |                                                       | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8035203  | VUVS-LT25-T32U-MZD-G14-F8 |
|                                                                                   | Single solenoid, 1x normally open, 1x normally closed |                                                                                             |          |                           |
|                                                                                   | T32H                                                  | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8035209  | VUVS-LT25-T32H-MD-G14-F8  |
|                                                                                   |                                                       | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8035210  | VUVS-LT25-T32H-MZD-G14-F8 |

## Accessories

| Ordering data                                                                    |                                                                      | Code                                                                                  | Valve function | Part no. | Type                          |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------|----------|-------------------------------|
| <b>2x 3/2-way valve with solenoid coil (24 V DC)</b>                             |                                                                      |                                                                                       |                |          |                               |
|  | <b>Single solenoid, normally closed, type C</b>                      |                                                                                       |                |          |                               |
|                                                                                  | T32C                                                                 | Reset via mechanical spring, internal pilot air supply, flow direction not reversible |                | 8035197  | VUVS-LT25-T32C-MD-G14-F8-1C1  |
|                                                                                  |                                                                      | Reset via mechanical spring, external pilot air supply, flow direction not reversible |                | 8035198  | VUVS-LT25-T32C-MZD-G14-F8-1C1 |
|                                                                                  | <b>Single solenoid, normally closed, type B</b>                      |                                                                                       |                |          |                               |
|                                                                                  | T32C                                                                 | Reset via mechanical spring, internal pilot air supply, flow direction not reversible |                | 8035199  | VUVS-LT25-T32C-MD-G14-F8-1B2  |
|                                                                                  |                                                                      | Reset via mechanical spring, external pilot air supply, flow direction not reversible |                | 8035200  | VUVS-LT25-T32C-MZD-G14-F8-1B2 |
|                                                                                  | <b>Single solenoid, normally open, type C</b>                        |                                                                                       |                |          |                               |
|                                                                                  | T32U                                                                 | Reset via mechanical spring, internal pilot air supply, flow direction not reversible |                | 8035204  | VUVS-LT25-T32U-MD-G14-F8-1C1  |
|                                                                                  |                                                                      | Reset via mechanical spring, external pilot air supply, flow direction not reversible |                | 8035205  | VUVS-LT25-T32U-MZD-G14-F8-1C1 |
|                                                                                  | <b>Single solenoid, normally open, type B</b>                        |                                                                                       |                |          |                               |
|                                                                                  | T32U                                                                 | Reset via mechanical spring, internal pilot air supply, flow direction not reversible |                | 8035206  | VUVS-LT25-T32U-MD-G14-F8-1B2  |
|                                                                                  |                                                                      | Reset via mechanical spring, external pilot air supply, flow direction not reversible |                | 8035207  | VUVS-LT25-T32U-MZD-G14-F8-1B2 |
|                                                                                  | <b>Single solenoid, 1x normally open, 1x normally closed, type C</b> |                                                                                       |                |          |                               |
|                                                                                  | T32H                                                                 | Reset via mechanical spring, internal pilot air supply, flow direction not reversible |                | 8035211  | VUVS-LT25-T32H-MD-G14-F8-1C1  |
|                                                                                  |                                                                      | Reset via mechanical spring, external pilot air supply, flow direction not reversible |                | 8035212  | VUVS-LT25-T32H-MZD-G14-F8-1C1 |
|                                                                                  | <b>Single solenoid, 1x normally open, 1x normally closed, type B</b> |                                                                                       |                |          |                               |
|                                                                                  | T32H                                                                 | Reset via mechanical spring, internal pilot air supply, flow direction not reversible |                | 8035213  | VUVS-LT25-T32H-MD-G14-F8-1B2  |
|                                                                                  |                                                                      | Reset via mechanical spring, external pilot air supply, flow direction not reversible |                | 8035214  | VUVS-LT25-T32H-MZD-G14-F8-1B2 |

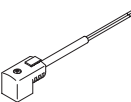
## Accessories

| Ordering data                                                                       |                                                                                   | Code                                                                                        | Valve function | Part no.                     | Type |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------|------------------------------|------|
| 5/2-way valve without solenoid coil                                                 |                                                                                   |                                                                                             |                |                              |      |
|    | Single solenoid                                                                   |                                                                                             |                |                              |      |
|                                                                                     | M52                                                                               | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8035181        | VUVS-LT25-M52-MD-G14-F8      |      |
|                                                                                     |                                                                                   | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8035182        | VUVS-LT25-M52-MZD-G14-F8     |      |
|                                                                                     |  | Double solenoid                                                                             |                |                              |      |
| B52                                                                                 |                                                                                   | Internal pilot air supply,<br>flow direction not reversible                                 | 8035188        | VUVS-LT25-B52-D-G14-F8       |      |
|                                                                                     |                                                                                   | External pilot air supply,<br>flow direction not reversible                                 | 8035189        | VUVS-LT25-B52-ZD-G14-F8      |      |
| 5/2-way valve with solenoid coil (24 V DC)                                          |                                                                                   |                                                                                             |                |                              |      |
|    | Single solenoid, type C                                                           |                                                                                             |                |                              |      |
|                                                                                     | M52-M                                                                             | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8035183        | VUVS-LT25-M52-MD-G14-F8-1C1  |      |
|                                                                                     |                                                                                   | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8035184        | VUVS-LT25-M52-MZD-G14-F8-1C1 |      |
|                                                                                     | Single solenoid, type B                                                           |                                                                                             |                |                              |      |
|                                                                                     | M52-M                                                                             | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8035185        | VUVS-LT25-M52-MD-G14-F8-1B2  |      |
|                                                                                     |                                                                                   | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8035186        | VUVS-LT25-M52-MZD-G14-F8-1B2 |      |
|  | Double solenoid, type C                                                           |                                                                                             |                |                              |      |
|                                                                                     | B52                                                                               | Internal pilot air supply,<br>flow direction not reversible                                 | 8035190        | VUVS-LT25-B52-D-G14-F8-1C1   |      |
|                                                                                     |                                                                                   | External pilot air supply,<br>flow direction not reversible                                 | 8035191        | VUVS-LT25-B52-ZD-G14-F8-1C1  |      |
|                                                                                     | Double solenoid, type B                                                           |                                                                                             |                |                              |      |
|                                                                                     | B52                                                                               | Internal pilot air supply,<br>flow direction not reversible                                 | 8035192        | VUVS-LT25-B52-D-G14-F8-1B2   |      |
|                                                                                     |                                                                                   | External pilot air supply,<br>flow direction not reversible                                 | 8035193        | VUVS-LT25-B52-ZD-G14-F8-1B2  |      |

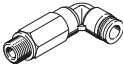
## Accessories

| Ordering data                                                                    |                                                        | Description           | Part no.        | Type          |
|----------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------|-----------------|---------------|
| Solenoid coils for valves                                                        |                                                        |                       |                 |               |
|  | Plug pattern type C, to DIN<br>EN 175301-803           | 12 V DC               | 8030810         | VACF-B-C1-5   |
|                                                                                  |                                                        | 24 V DC               | 8030811         | VACF-B-C1-1   |
|                                                                                  |                                                        | 48 V DC               | 8030812         | VACF-B-C1-7   |
|                                                                                  |                                                        | 24 V AC/50-60 Hz      | 8030813         | VACF-B-C1-1A  |
|                                                                                  |                                                        | 48 V AC/50-60 Hz      | 8030814         | VACF-B-C1-7A  |
|                                                                                  |                                                        | 110/120 V AC/50-60 Hz | 8030815         | VACF-B-C1-16B |
|                                                                                  |                                                        | 230/240 V AC/50-60 Hz | 8030817         | VACF-B-C1-3W  |
|                                                                                  | Plug pattern type B, industry stand-<br>ard            | 12 V DC               | 8030801         | VACF-B-B2-5   |
|                                                                                  |                                                        | 24 V DC               | 8030802         | VACF-B-B2-1   |
|                                                                                  |                                                        | 48 V DC               | 8030803         | VACF-B-B2-7   |
|                                                                                  |                                                        | 24 V AC/50-60 Hz      | 8030804         | VACF-B-B2-1A  |
|                                                                                  |                                                        | 48 V AC/50-60 Hz      | 8030805         | VACF-B-B2-7A  |
|                                                                                  |                                                        | 110/120 V AC/50-60 Hz | 8030806         | VACF-B-B2-16B |
|                                                                                  |                                                        | 230/240 V AC/50-60 Hz | 8030808         | VACF-B-B2-3W  |
| Seal set for solenoid coil                                                       |                                                        |                       |                 |               |
|  | Plug pattern type C to guarantee protection class IP67 | 2643771               | VAMC-B10-C-B-S8 |               |
|                                                                                  | Plug pattern type B to guarantee protection class IP67 | 8034609               | VAMC-B10-B-B-S8 |               |
| Cover cap                                                                        |                                                        |                       |                 |               |
|  | For manual override, non-detenting or covered          | 8028240               | VAMC-B10-20-CH2 |               |

## Accessories

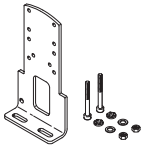
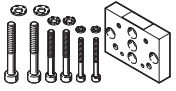
| Ordering data                                                                       |                                                 | Description                          |                   |                                        | Part no.     | Type                    |
|-------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------|-------------------|----------------------------------------|--------------|-------------------------|
| Plug socket                                                                         |                                                 |                                      |                   |                                        |              |                         |
|    | Plug pattern type C, to DIN EN 175301-803       |                                      |                   |                                        |              |                         |
|                                                                                     | 3-pin, screw terminal                           | Cable connector M12                  | 0 ... 250 V AC/DC | IP65                                   | 539712       | MSSD-EB-M12             |
|                                                                                     |                                                 | Cable connector Pg7                  |                   |                                        | ★ 151687     | MSSD-EB                 |
|                                                                                     | 4-pin, insulation displacement connector        | Cable connector M14                  | 0 ... 250 V AC/DC | IP67                                   | 192745       | MSSD-EB-S-M14           |
|                                                                                     | 3-pin, angled socket                            | Cable connector M12                  | 0 ... 24 V DC     | IP65                                   | 570367       | MSSD-EB-M12-24VDC-SD-EX |
|                                                                                     | Plug pattern type B, industry standard          |                                      |                   |                                        |              |                         |
|                                                                                     | 3-pin, screw terminal                           | Cable connector M16                  | 0 ... 250 V AC/DC | IP65                                   | 539710       | MSSD-F-M16              |
| Cable connector Pg9                                                                 |                                                 | ★ 34431                              |                   |                                        | MSSD-F       |                         |
| 3-pin, insulation displacement connector                                            | –                                               | 0 ... 250 V AC/DC                    | IP67              | 192746                                 | MSSD-F-S-M16 |                         |
| Adapter                                                                             |                                                 |                                      |                   |                                        |              |                         |
|    | Socket type C, to EN 175301-803                 | Plug connector M12x1, 2-pin, A-coded | 12 ... 24 V AC/DC | IP65                                   | 188024       | MSSD-EB-M12-MONO        |
| Plug socket with cable                                                              |                                                 |                                      |                   |                                        |              |                         |
|    | Plug pattern type C, to DIN EN 175301-803       |                                      |                   |                                        |              |                         |
|                                                                                     | Angled socket, 3-pin<br>Cable, open end, 3-wire | 24 V DC                              | LED               | 2.5 m                                  | ★ 151688     | KMEB-1-24-2,5-LED       |
|                                                                                     |                                                 |                                      |                   | 5 m                                    | 151689       | KMEB-1-24-5-LED         |
|                                                                                     |                                                 |                                      |                   | 10 m                                   | 193457       | KMEB-1-24-10-LED        |
|                                                                                     |                                                 | 230 V AC                             | –                 | 2.5 m                                  | 151690       | KMEB-1-230AC-2,5        |
|                                                                                     |                                                 |                                      |                   | 5 m                                    | 151691       | KMEB-1-230AC-5          |
|                                                                                     |                                                 |                                      |                   | Plug pattern type B, industry standard |              |                         |
|                                                                                     | Angled socket, 3-pin<br>Cable, open end, 3-wire | 24 V DC                              | LED               | 2.5 m                                  | ★ 30935      | KMF-1-24DC-2,5-LED      |
|                                                                                     |                                                 |                                      |                   | 5 m                                    | 30937        | KMF-1-24DC-5-LED        |
|                                                                                     |                                                 |                                      |                   | 10 m                                   | 193458       | KMF-1-24-10-LED         |
|                                                                                     |                                                 | 230 V AC                             | –                 | 2.5 m                                  | 30936        | KMF-1-230AC-2,5         |
|                                                                                     |                                                 |                                      |                   | 5 m                                    | 30938        | KMF-1-230AC-5           |
|                                                                                     |                                                 |                                      |                   | Illuminating seal                      |              |                         |
|  | Plug pattern type C, to DIN EN 175301-803       | 24 V DC                              |                   |                                        | 151717       | MEB-LD-12-24DC          |
|                                                                                     |                                                 | 230 V AC                             |                   |                                        | 151718       | MEB-LD-230AC            |
|                                                                                     | Plug pattern type B, industry standard          | 24 V DC                              |                   |                                        | 19143        | MF-LD-12-24DC           |
|                                                                                     |                                                 | 230 V AC                             |                   |                                        | 19144        | MF-LD-230AC             |

## Accessories

| Ordering data                                                                      |                                                 | Description |           | Part no.       | Type | PU <sup>1)</sup> |
|------------------------------------------------------------------------------------|-------------------------------------------------|-------------|-----------|----------------|------|------------------|
| Push-in fitting with internal hex                                                  |                                                 |             |           |                |      |                  |
|    | Connecting thread M5 for tubing O.D.            | 4 mm        | ★ 153315  | QSM-M5-4-I     | 10   |                  |
|                                                                                    | Connecting thread G1/4 for tubing O.D.          | 6 mm        | ★ 186108  | QS-G1/4-6-I    | 10   |                  |
|                                                                                    |                                                 | 8 mm        | ★ 186110  | QS-G1/4-8-I    | 10   |                  |
|                                                                                    |                                                 | 10 mm       | ★ 186112  | QS-G1/4-10-I   | 10   |                  |
| Angled push-in fitting with external hex                                           |                                                 |             |           |                |      |                  |
|    | Connecting thread G1/4 for tubing O.D.          | 6 mm        | ★ 186118  | QSL-G1/4-6     | 10   |                  |
|                                                                                    |                                                 |             | 132051    | QSL-G1/4-6-100 | 100  |                  |
|                                                                                    |                                                 | 8 mm        | ★ 186120  | QSL-G1/4-8     | 10   |                  |
|                                                                                    |                                                 |             | 132052    | QSL-G1/4-8-50  | 50   |                  |
|                                                                                    |                                                 | 10 mm       | ★ 186122  | QSL-G1/4-10    | 10   |                  |
|                                                                                    |                                                 |             | 132053    | QSL-G1/4-10-50 | 50   |                  |
| Angled push-in fitting, long, with external hex                                    |                                                 |             |           |                |      |                  |
|    | Connecting thread G1/4 for tubing O.D.          | 6 mm        | 186129    | QSL-G1/4-6     | 10   |                  |
|                                                                                    |                                                 | 8 mm        | 186131    | QSL-G1/4-8     | 10   |                  |
|                                                                                    |                                                 | 10 mm       | 186133    | QSL-G1/4-10    | 10   |                  |
| Silencer                                                                           |                                                 |             |           |                |      |                  |
|    | With connecting thread G, polymer design        | G1/4        | ★ 2316    | U-1/4          | 1    |                  |
|                                                                                    |                                                 |             | 534223    | U-1/4-20       | 20   |                  |
|   | With connecting thread G, metal design          | G1/4        | 6842      | U-1/4-B        | 1    |                  |
|  | With connecting thread G, sintered design, long | G1/4        | ★ 1205861 | AMTE-M-LH-G14  | 20   |                  |

1) Packaging unit

## Accessories

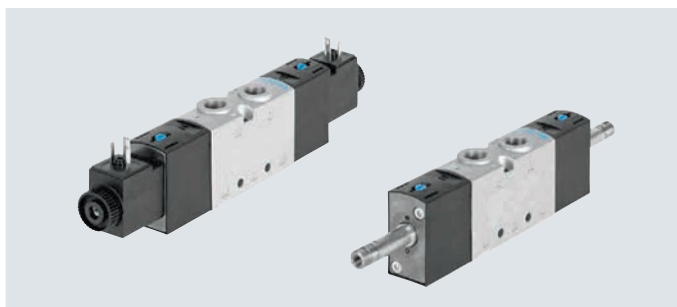
| Ordering data                                                                     | Description                                                 | Weight<br>[g] | Part no. | Type           |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------|---------------|----------|----------------|
| <b>Foot mounting</b>                                                              |                                                             |               |          |                |
|  | With screw set for attaching the valve to the foot mounting | 130           | 2293485  | VAME-B10-25-A  |
| <b>Wall mounting</b>                                                              |                                                             |               |          |                |
|  | With screw set for attaching the valve to the wall mounting | 53            | 576413   | VAME-B10-20-W  |
| <b>Assortment of spare parts</b>                                                  |                                                             |               |          |                |
|  | Set comprising seals and screws                             | 12            | 8035636  | VAME-B10-25-MK |
| <b>Inscription label</b>                                                          |                                                             |               |          |                |
|  | 40 pieces in frame                                          | –             | 565306   | ASLR-C-E4      |

## Technical data

-  - Flow rate  
up to 1800 l/min

-  - Valve width  
31 mm

-  - Voltage  
24 V DC



| General technical data                 |  |                                                 |      |      |      |      |               |      |
|----------------------------------------|--|-------------------------------------------------|------|------|------|------|---------------|------|
| Valve function                         |  | 3/2-way valve                                   |      |      |      |      | 5/2-way valve |      |
| Order code for valves                  |  | M32C                                            | M32U | T32C | T32U | T32H | M52           | B52  |
| Valve width [mm]                       |  | 31                                              |      |      |      |      |               |      |
| Nominal width Diameter [mm]            |  | 7.9                                             | 7.9  | 7.9  | 7.8  | 7.8  | 8.1           | 8.7  |
| Design                                 |  | Poppet seat                                     |      |      |      |      |               |      |
| Flow direction                         |  | Non-reversible                                  |      |      |      |      |               |      |
| Pilot air supply                       |  | Internal or external                            |      |      |      |      |               |      |
| Type of control                        |  | Piloted                                         |      |      |      |      |               |      |
| Manual override                        |  | Non-detenting, detenting                        |      |      |      |      |               |      |
| Overlap                                |  | Negative overlap                                |      |      |      |      |               |      |
| Sealing principle                      |  | Soft                                            |      |      |      |      |               |      |
| Type of mounting                       |  | Optionally via through-hole or on manifold rail |      |      |      |      |               |      |
| Standard nominal flow rate qnN [l/min] |  | 1600                                            |      |      |      |      | 1800          |      |
| Actuation type                         |  | Electric                                        |      |      |      |      |               |      |
| Mounting position                      |  | Any                                             |      |      |      |      |               |      |
| Exhaust air function                   |  | Can be throttled                                |      |      |      |      |               |      |
| Connection for venting hole            |  | Not ducted                                      |      |      |      |      |               |      |
| b value                                |  | 0.4                                             | 0.2  | 0.4  | 0.3  | 0.3  | 0.3           | 0.3  |
| c value [l/sbar]                       |  | 6.0                                             | 7.0  | 6.0  | 6.7  | 6.7  | 9.9           | 9.9  |
|                                        |  |                                                 |      |      |      |      |               |      |
| Pneumatic connection 1, 2, 3           |  | G3/8                                            | G3/8 | G3/8 | G3/8 | G3/8 | G3/8          | G3/8 |
| 4, 5                                   |  | –                                               | –    | G3/8 | G3/8 | G3/8 | G3/8          | G3/8 |
| Pilot air port 12, 14                  |  | G1/8                                            | G1/8 | G1/8 | G1/8 | G1/8 | G1/8          | G1/8 |
| Pilot exhaust air connection 82, 84    |  | M5                                              | M5   | M5   | M5   | M5   | M5            | M5   |

| ATEX                                                          |                                             |
|---------------------------------------------------------------|---------------------------------------------|
| Type                                                          | VUVS-LT-...-EX2                             |
| ATEX category for gas                                         | II 3G                                       |
| Type of ignition protection for gas                           | Ex ec IIC T4 Gc X                           |
| ATEX category for dust                                        | II 3D                                       |
| Type of ignition protection for dust                          | Ex tc IIIC T115°C Dc X                      |
| Explosion-proof ambient temperature [°C]                      | –10°C ≤ Ta ≤ +60°C                          |
| CE marking<br>(see declaration of conformity) <sup>1)</sup>   | To EU Explosion Protection Directive (ATEX) |
| UKCA marking<br>(see declaration of conformity) <sup>1)</sup> | To UK EX instructions                       |
| Explosion protection certification outside the EU             | EPL Dc (GB)                                 |
|                                                               | EPL Gc (GB)                                 |

<sup>1)</sup> For information about the area of use, see the EC declaration of conformity at: [www.festo.com/catalogue/...](http://www.festo.com/catalogue/...) → Support/Downloads.

If the devices are subject to usage restrictions in residential, commercial or light-industrial environments, further measures for the reduction of the emitted interference may be necessary.



## Technical data

| Technical data                       |             | M32C              | M32U       | T32C              | T32U       | T32H                  | M52               | B52      |
|--------------------------------------|-------------|-------------------|------------|-------------------|------------|-----------------------|-------------------|----------|
| Order code for valves                |             |                   |            |                   |            |                       |                   |          |
| Normal position                      |             | Closed            | Open       | 2x closed         | 2x open    | 1x open/<br>1x closed | –                 | –        |
| Stable position                      |             | Monostable        | Monostable | Monostable        | Monostable | Monostable            | Monostable        | Bistable |
| Reset method                         |             | Mechanical spring |            | Mechanical spring |            |                       | Mechanical spring | –        |
| Switching times in [ms]              | On          | 13                | 14         | 13                | 14         | 13                    | 17                | –        |
|                                      | Off         | 32                | 36         | 33                | 35         | 37                    | 26                | –        |
|                                      | Change over | –                 | –          | –                 | –          | –                     | –                 | 13       |
| Product weight without solenoid coil | [g]         | 305               | 305        | 442               | 442        | 442                   | 432               | 438      |
| Product weight with solenoid coil    | [g]         | 359               | 359        | 543               | 543        | 543                   | 486               | 542      |

| Safety data                           |     |                                                                                  |
|---------------------------------------|-----|----------------------------------------------------------------------------------|
| Max. positive test pulse with logic 0 | [s] | 2000 (valves with VACF-B-...-1)                                                  |
| Max. negative test pulse with logic 1 | [s] | 3600 (valves with VACF-B-...-1)                                                  |
| Shock resistance                      |     | Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27                |
| Vibration resistance                  |     | Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 |

| Operating and environmental conditions            |       | M32C                                                                                       | M32U | T32C | T32U | T32H | M52        | B52        |
|---------------------------------------------------|-------|--------------------------------------------------------------------------------------------|------|------|------|------|------------|------------|
| Order code for valves                             |       |                                                                                            |      |      |      |      |            |            |
| Operating medium                                  |       | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |      |      |      |      |            |            |
| Pilot medium                                      |       | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |      |      |      |      |            |            |
| Note on operating/pilot medium                    |       | Lubricated operation possible (in which case lubricated operation will always be required) |      |      |      |      |            |            |
| Operating pressure with internal pilot air supply | [MPa] | 0.25 ... 1                                                                                 |      |      |      |      | 0.25 ... 1 | 0.15 ... 1 |
|                                                   | [bar] | 2.5 ... 10                                                                                 |      |      |      |      | 2.5 ... 10 | 1.5 ... 10 |
| Operating pressure with external pilot air supply | [MPa] | 0.1 ... 1                                                                                  |      |      |      |      | 0.25 ... 1 | 0.15 ... 1 |
|                                                   | [bar] | 1.0 ... 10                                                                                 |      |      |      |      | 2.5 ... 10 | 1.5 ... 10 |
| Pilot pressure                                    | [MPa] | 0.25 ... 1                                                                                 |      |      |      |      | 0.25 ... 1 | 0.15 ... 1 |
|                                                   | [bar] | 2.5 ... 10                                                                                 |      |      |      |      | 2.5 ... 10 | 1.5 ... 10 |
| Ambient temperature                               | [°C]  | –10 ... +60                                                                                |      |      |      |      |            |            |
| Temperature of medium                             | [°C]  | –10 ... +60                                                                                |      |      |      |      |            |            |
| Certification                                     |       | c UL us - Recognized (OL)                                                                  |      |      |      |      |            |            |
| Corrosion resistance class CRC <sup>1)</sup>      |       | 2                                                                                          |      |      |      |      |            |            |

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

## Technical data

| Electrical data                  |        | With solenoid coil                                                     |      | Without solenoid coil                 |      |      |     |     |
|----------------------------------|--------|------------------------------------------------------------------------|------|---------------------------------------|------|------|-----|-----|
| Electrical connection            |        | Plug type C to EN 175301-803, plug type B to industry standard (11 mm) |      | Via solenoid coil<br>→ Internet: vacf |      |      |     |     |
| Operating voltage                | [V DC] | 24                                                                     |      |                                       |      |      |     |     |
| Permissible voltage fluctuations | [%]    | 10                                                                     |      |                                       |      |      |     |     |
| Power                            | [W]    | 3.3                                                                    |      |                                       |      |      |     |     |
| Duty cycle                       | [%]    | 100                                                                    |      |                                       |      |      |     |     |
| Degree of protection to EN 60529 |        | IP65 with plug socket                                                  |      |                                       |      |      |     |     |
| Materials                        |        |                                                                        |      |                                       |      |      |     |     |
| Order code for valves            |        | M32C                                                                   | M32U | T32C                                  | T32U | T32H | M52 | B52 |
| Housing                          |        | Die-cast aluminium (painted)                                           |      |                                       |      |      |     |     |
| Seals                            |        | HNBR, NBR, TPE-U(PU)                                                   |      |                                       |      |      |     |     |
| Piston spool                     |        | Wrought aluminium alloy                                                |      |                                       |      | POM  | POM |     |
| Screws                           |        | Galvanised steel                                                       |      |                                       |      |      |     |     |
| Note on materials                |        | RoHS-compliant                                                         |      |                                       |      |      |     |     |

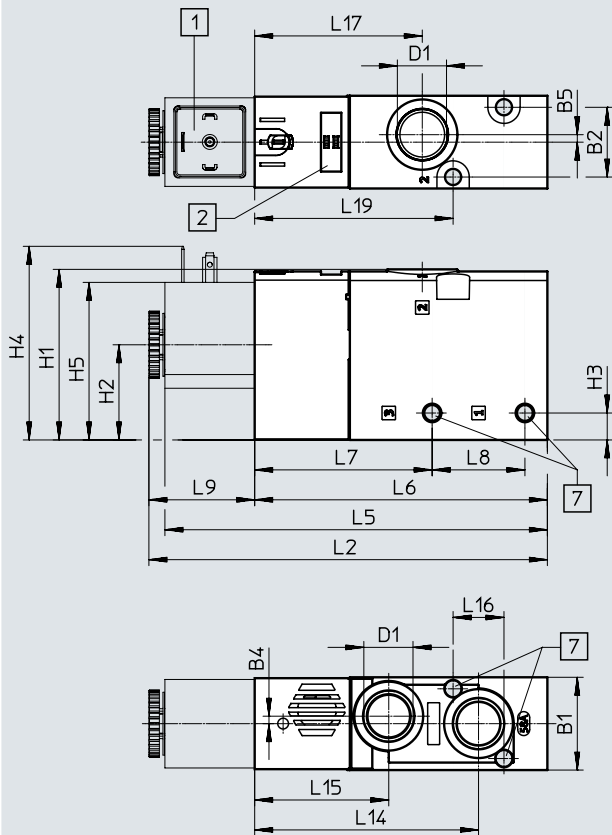
## Technical data

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

3/2-way valves, with solenoid coil

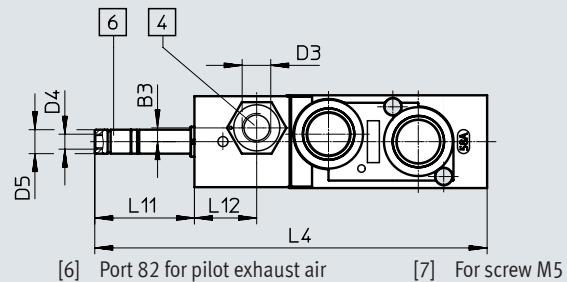
3/2-way valves, without solenoid coil



[1] Solenoid coil

[4] Port 10/12 for pilot air supply

[2] Space for inscription label



[6] Port 82 for pilot exhaust air

[7] For screw M5

| Type                        | B1 | B2   | B3  | B4  | B5  | D1   | D3   | D4 | D5 | H1 | H2   | H3 | H4   | H5   |
|-----------------------------|----|------|-----|-----|-----|------|------|----|----|----|------|----|------|------|
| VUVS-LT30-M32...-D-G38-...  | 31 | 23.3 | —   | 2.5 | 2.5 | G3/8 | —    | M5 | 8  | 57 | 31.8 | 9  | 64.7 | 52.6 |
| VUVS-LT30-M32...-ZD-G38-... |    |      | 4.6 |     |     |      | G1/8 |    |    |    |      |    |      |      |

| Type                        | L2    | L4    | L5    | L6   | L7   | L8 | L9   | L11  | L12  | L14  | L15  | L16 | L17 | L19  |
|-----------------------------|-------|-------|-------|------|------|----|------|------|------|------|------|-----|-----|------|
| VUVS-LT30-M32...-D-G38-...  | 133.2 | 131.1 | 127.8 | 97.8 | 59.3 | 31 | 35.4 | 33.3 | —    | 74.8 | 44.8 | 17  | 56  | 66.3 |
| VUVS-LT30-M32...-ZD-G38-... |       |       |       |      |      |    |      |      | 20.8 |      |      |     |     |      |

Technical data

**Dimensions**

5/2-way single solenoid valves, with solenoid coil

Download CAD data → [www.festo.com](http://www.festo.com)

5/2-way single solenoid valves, without solenoid coil

[1] Solenoid coil interface type B/  
type C

[2] Space for inscription label

[3] Port 14 for pilot air supply

[4] Port 12 for pilot air supply

[5] Port 84 for pilot exhaust air

[7] For screw M5

| Type                        | B1 | B2   | B3  | B4  | B5  | D1   | D2   | D3   | D4 | D5<br>Ø | H1 | H2   | H3 | H4   | H5   |
|-----------------------------|----|------|-----|-----|-----|------|------|------|----|---------|----|------|----|------|------|
| VUVS-LT30-M52-...D-G38-...  | 31 | 23.3 | –   | 2.5 | 2.5 | G3/8 | –    | –    | M5 | 8       | 57 | 31.8 | 9  | 64.7 | 52.6 |
| VUVS-LT30-M52-...ZD-G38-... |    |      | 4.6 |     |     |      | G1/8 | G1/8 |    |         |    |      |    |      |      |

| Type                        | L2    | L4    | L5    | L6    | L7   | L8 | L9   | L10   | L11  | L12  | L13   | L14  | L15  | L16 | L17 | L18  | L19  |
|-----------------------------|-------|-------|-------|-------|------|----|------|-------|------|------|-------|------|------|-----|-----|------|------|
| VUVS-LT30-M52-...D-G38-...  | 180.7 | 178.6 | 179.6 | 145.3 | 59.3 | 31 | 35.4 | –     | 33.3 | –    | 104.8 | 74.8 | 44.8 | 17  | 56  | 37.6 | 66.3 |
| VUVS-LT30-M52-...ZD-G38-... |       |       |       |       |      |    |      | 128.8 |      | 20.8 |       |      |      |     |     |      |      |

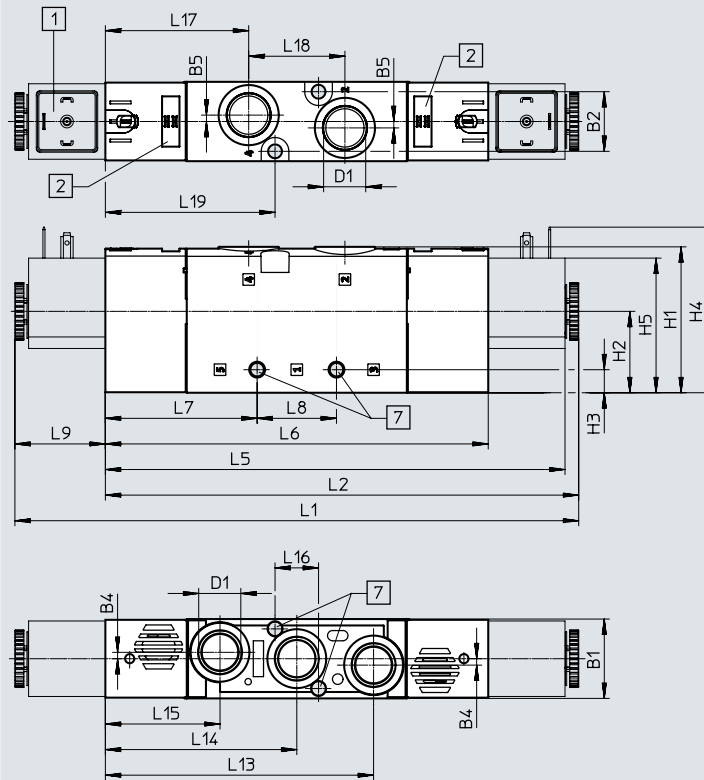
## Technical data

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

2x 3/2-way valves and 5/2-way double solenoid valves, with solenoid coil

2x 3/2-way valves and 5/2-way double solenoid valves, without solenoid coil



[1] Solenoid coil interface type B/  
type C  
[2] Space for inscription label

[3] Port 14 for pilot air supply  
[4] Port 12 for pilot air supply

[5] Port 84 for pilot exhaust air  
[6] Port 82 for pilot exhaust air

[7] For screw M5

| Type                         | B1 | B2   | B3  | B4  | B5  | D1   | D2   | D3   | D4 | D5<br>Ø | H1 | H2   | H3 | H4   | H5   |
|------------------------------|----|------|-----|-----|-----|------|------|------|----|---------|----|------|----|------|------|
| VUVS-LT30-T32...-MD-G38-...  | 31 | 23.3 | –   | 2.5 | 2.5 | G3/8 | –    | –    | M5 | 8       | 57 | 31.8 | 9  | 64.7 | 52.6 |
| VUVS-LT30-T32...-MZD-G38-... |    |      | 4.6 |     |     |      | G1/8 | G1/8 |    |         |    |      |    |      |      |
| VUVS-LT30-B52-D-G38-...      |    |      | –   |     |     |      | –    | –    |    |         |    |      |    |      |      |
| VUVS-LT30-B52-ZD-G38-...     |    |      | 4.6 |     |     |      | G1/8 | G1/8 |    |         |    |      |    |      |      |

| Type                         | L1    | L2  | L3    | L4    | L5    | L6    | L7   | L8 | L9   | L10   |
|------------------------------|-------|-----|-------|-------|-------|-------|------|----|------|-------|
| VUVS-LT30-T32...-MD-G38-...  | 220.3 | 185 | 216.2 | 182.9 | 179.6 | 149.6 | 59.3 | 31 | 35.4 | –     |
| VUVS-LT30-T32...-MZD-G38-... |       |     |       |       |       |       |      |    |      | 128.8 |
| VUVS-LT30-B52-D-G38-...      |       |     |       |       |       |       |      |    |      | –     |
| VUVS-LT30-B52-ZD-G38-...     |       |     |       |       |       |       |      |    |      | 128.8 |

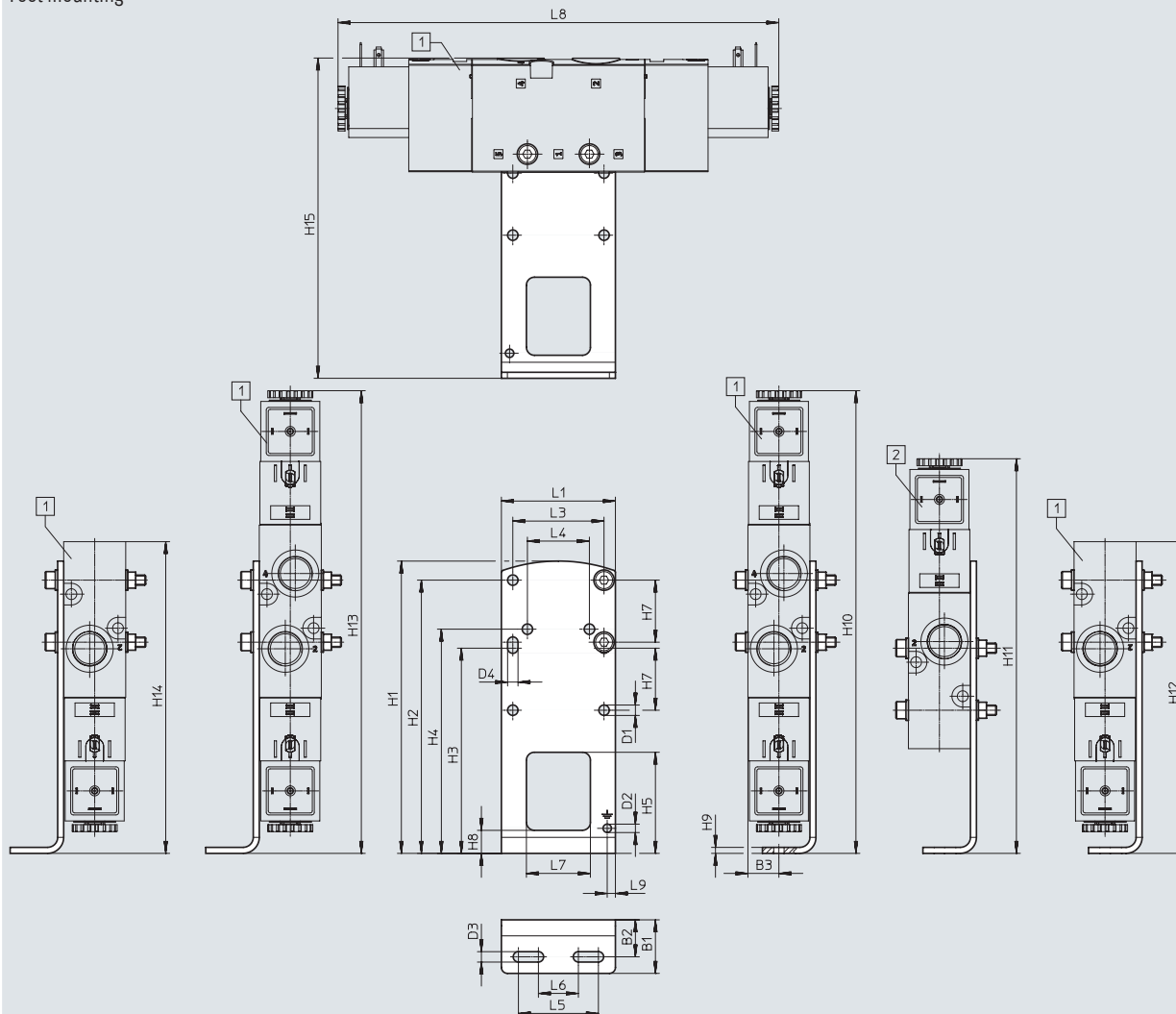
| Type                         | L11  | L12  | L13   | L14  | L15  | L16 | L17 | L18  | L19  |
|------------------------------|------|------|-------|------|------|-----|-----|------|------|
| VUVS-LT30-T32...-MD-G38-...  | 33.3 | –    | 104.8 | 74.8 | 44.8 | 17  | 56  | 37.6 | 66.3 |
| VUVS-LT30-T32...-MZD-G38-... |      | 20.8 |       |      |      |     |     |      |      |
| VUVS-LT30-B52-D-G38-...      |      | –    |       |      |      |     |     |      |      |
| VUVS-LT30-B52-ZD-G38-...     |      | 20.8 |       |      |      |     |     |      |      |

## Accessories

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

Foot mounting



[1] VUVS-LT30-B52  
VUVS-LT30-T32  
VUVS-LT30-M52  
VUVS-LT30-M32

[2] VUVS-LT30-M52,  
VUVS-LT30-M32

| Type          |                   | B1   | B2   | B3   | D1<br>Ø | D2<br>Ø | D3  | D4  | H1  | H2    | H3    |
|---------------|-------------------|------|------|------|---------|---------|-----|-----|-----|-------|-------|
| VAME-B10-30-A | VUVS-LT30-B52/T32 | 26.8 | 18.5 | 15.5 | 5.2     | 4.2     | 5.2 | 5.2 | 146 | 136.5 | 102.5 |
|               | VUVS-LT30-M52     |      |      |      |         |         |     |     |     |       |       |
|               | VUVS-LT30-M32     |      |      |      |         |         |     |     |     |       |       |

| Type          |                   | H4  | H5   | H7 | H8   | H9 | H10   | H11   | H12   | H13   | H14   |
|---------------|-------------------|-----|------|----|------|----|-------|-------|-------|-------|-------|
| VAME-B10-30-A | VUVS-LT30-B52/T32 | 112 | 50.5 | 31 | 11.5 | 3  | 231.2 | –     | 231.2 | 231.2 | 231.2 |
|               | VUVS-LT30-M52     |     |      |    |      |    |       | 197.2 | 191.5 |       | 191.5 |
|               | VUVS-LT30-M32     |     |      |    |      |    |       | 144   | 144   |       | 144   |

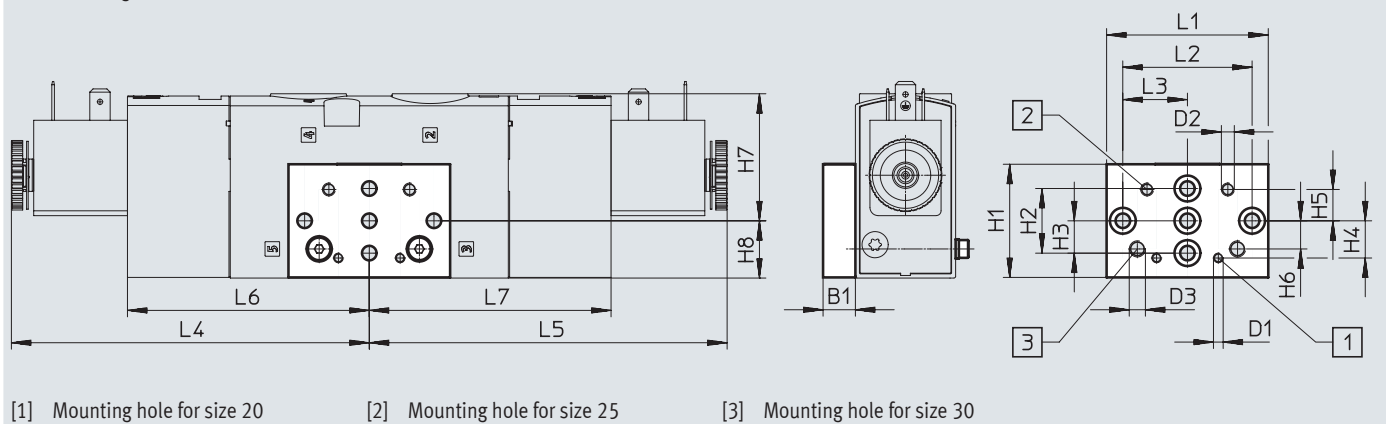
| Type          |                   | H15 | L1 | L3   | L4 | L5 | L6 | L7 | L8    | L9  |
|---------------|-------------------|-----|----|------|----|----|----|----|-------|-----|
| VAME-B10-30-A | VUVS-LT30-B52/T32 | 160 | 57 | 45.6 | 31 | 40 | 20 | 32 | 220.3 | 4.1 |
|               | VUVS-LT30-M52     |     |    |      |    |    |    |    | 180.7 |     |
|               | VUVS-LT30-M32     |     |    |      |    |    |    |    | 133.2 |     |

## Accessories

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

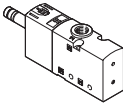
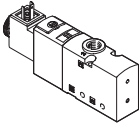
Wall mounting



| Type          |                   | B1 | D1 | D2 | D3 | H1 | H2 | H3 | H4   | H5  | H6  |
|---------------|-------------------|----|----|----|----|----|----|----|------|-----|-----|
| VAME-B10-20-W | VUVS-LT30-B52/T32 | 10 | M3 | M4 | M5 | 35 | 20 | 10 | 11.5 | 9.7 | 8.7 |
|               | VUVS-LT30-M52     |    |    |    |    |    |    |    |      |     |     |
|               | VUVS-LT30-M32     |    |    |    |    |    |    |    |      |     |     |

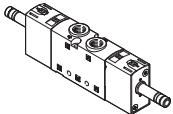
| Type          |                   | H7   | H8   | L1 | L2 | L3 | L4    | L5    | L6   | L7   |
|---------------|-------------------|------|------|----|----|----|-------|-------|------|------|
| VAME-B10-20-W | VUVS-LT30-B52/T32 | 39.3 | 17.7 | 50 | 40 | 20 | 110.2 | 110.2 | 74.8 | 74.8 |
|               | VUVS-LT30-M52     |      |      |    |    |    |       |       |      |      |
|               | VUVS-LT30-M32     |      |      |    |    |    |       |       |      |      |

## Accessories

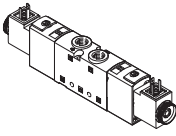
| Ordering data                                                                    |                                          |                                                                                             |          |                               |
|----------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------------------------|----------|-------------------------------|
|                                                                                  | Code                                     | Valve function                                                                              | Part no. | Type                          |
| 3/2-way valve without solenoid coil                                              |                                          |                                                                                             |          |                               |
|  | Single solenoid, normally closed         |                                                                                             |          |                               |
|                                                                                  | M32C-M                                   | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8036672  | VUVS-LT30-M32C-MD-G38-F8      |
|                                                                                  |                                          | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8036673  | VUVS-LT30-M32C-MZD-G38-F8     |
|                                                                                  | Single solenoid, normally open           |                                                                                             |          |                               |
|                                                                                  | M32U-M                                   | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8036679  | VUVS-LT30-M32U-MD-G38-F8      |
|                                                                                  |                                          | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8036680  | VUVS-LT30-M32U-MZD-G38-F8     |
| 3/2-way valve with solenoid coil (24 V DC)                                       |                                          |                                                                                             |          |                               |
|  | Single solenoid, normally closed, type C |                                                                                             |          |                               |
|                                                                                  | M32C-M                                   | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8036674  | VUVS-LT30-M32C-MD-G38-F8-1C1  |
|                                                                                  |                                          | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8036675  | VUVS-LT30-M32C-MZD-G38-F8-1C1 |
|                                                                                  | Single solenoid, normally closed, type B |                                                                                             |          |                               |
|                                                                                  | M32C-M                                   | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8036676  | VUVS-LT30-M32C-MD-G38-F8-1B2  |
|                                                                                  |                                          | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8036677  | VUVS-LT30-M32C-MZD-G38-F8-1B2 |
|                                                                                  | Single solenoid, normally open, type C   |                                                                                             |          |                               |
|                                                                                  | M32U-M                                   | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8036681  | VUVS-LT30-M32U-MD-G38-F8-1C1  |
|                                                                                  |                                          | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8036682  | VUVS-LT30-M32U-MZD-G38-F8-1C1 |
|                                                                                  | Single solenoid, normally open, type B   |                                                                                             |          |                               |
|                                                                                  | M32U-M                                   | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8036683  | VUVS-LT30-M32U-MD-G38-F8-1B2  |
|                                                                                  |                                          | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8036684  | VUVS-LT30-M32U-MZD-G38-F8-1B2 |



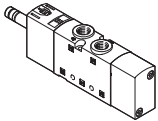
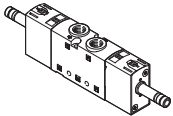
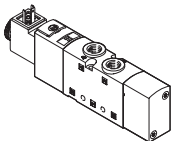
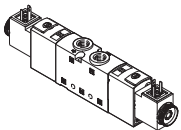
## Accessories

| Ordering data                                                                     |                                                       |                                                                                             |          |                           |
|-----------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------------------------------|----------|---------------------------|
|                                                                                   | Code                                                  | Valve function                                                                              | Part no. | Type                      |
| 2x 3/2-way valve without solenoid coil                                            |                                                       |                                                                                             |          |                           |
|  | Single solenoid, normally closed                      |                                                                                             |          |                           |
|                                                                                   | T32C                                                  | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8036700  | VUVS-LT30-T32C-MD-G38-F8  |
|                                                                                   |                                                       | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8036701  | VUVS-LT30-T32C-MZD-G38-F8 |
|                                                                                   | Single solenoid, normally open                        |                                                                                             |          |                           |
|                                                                                   | T32U                                                  | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8036707  | VUVS-LT30-T32U-MD-G38-F8  |
|                                                                                   |                                                       | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8036708  | VUVS-LT30-T32U-MZD-G38-F8 |
|                                                                                   | Single solenoid, 1x normally open, 1x normally closed |                                                                                             |          |                           |
|                                                                                   | T32H                                                  | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8036714  | VUVS-LT30-T32H-MD-G38-F8  |
|                                                                                   |                                                       | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8036715  | VUVS-LT30-T32H-MZD-G38-F8 |

## Accessories

| Ordering data                                                                    |                                                               |                                                                                             |          |                               |  |
|----------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------|-------------------------------|--|
|                                                                                  | Code                                                          | Valve function                                                                              | Part no. | Type                          |  |
| 2x 3/2-way valve with solenoid coil (24 V DC)                                    |                                                               |                                                                                             |          |                               |  |
|  | Single solenoid, normally closed, type C                      |                                                                                             |          |                               |  |
|                                                                                  | T32C                                                          | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8036702  | VUVS-LT30-T32C-MD-G38-F8-1C1  |  |
|                                                                                  |                                                               | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8036703  | VUVS-LT30-T32C-MZD-G38-F8-1C1 |  |
|                                                                                  | Single solenoid, normally closed, type B                      |                                                                                             |          |                               |  |
|                                                                                  | T32C                                                          | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8036704  | VUVS-LT30-T32C-MD-G38-F8-1B2  |  |
|                                                                                  |                                                               | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8036705  | VUVS-LT30-T32C-MZD-G38-F8-1B2 |  |
|                                                                                  | Single solenoid, normally open, type C                        |                                                                                             |          |                               |  |
|                                                                                  | T32U                                                          | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8036709  | VUVS-LT30-T32U-MD-G38-F8-1C1  |  |
|                                                                                  |                                                               | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8036710  | VUVS-LT30-T32U-MZD-G38-F8-1C1 |  |
|                                                                                  | Single solenoid, normally open, type B                        |                                                                                             |          |                               |  |
|                                                                                  | T32U                                                          | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8036711  | VUVS-LT30-T32U-MD-G38-F8-1B2  |  |
|                                                                                  |                                                               | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8036712  | VUVS-LT30-T32U-MZD-G38-F8-1B2 |  |
|                                                                                  | Single solenoid, 1x normally open, 1x normally closed, type C |                                                                                             |          |                               |  |
|                                                                                  | T32H                                                          | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8036716  | VUVS-LT30-T32H-MD-G38-F8-1C1  |  |
|                                                                                  |                                                               | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8036717  | VUVS-LT30-T32H-MZD-G38-F8-1C1 |  |
|                                                                                  | Single solenoid, 1x normally open, 1x normally closed, type B |                                                                                             |          |                               |  |
|                                                                                  | T32H                                                          | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8036718  | VUVS-LT30-T32H-MD-G38-F8-1B2  |  |
|                                                                                  |                                                               | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8036719  | VUVS-LT30-T32H-MZD-G38-F8-1B2 |  |

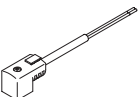
## Accessories

| Ordering data                                                                       |                         | Code                                                                                        | Valve function | Part no.                     | Type |
|-------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------|----------------|------------------------------|------|
| 5/2-way valve without solenoid coil                                                 |                         |                                                                                             |                |                              |      |
|    | Single solenoid         |                                                                                             |                |                              |      |
|                                                                                     | M52                     | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8036686        | VUVS-LT30-M52-MD-G38-F8      |      |
|                                                                                     |                         | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8036687        | VUVS-LT30-M52-MZD-G38-F8     |      |
|    | Double solenoid         |                                                                                             |                |                              |      |
|                                                                                     | B52                     | Internal pilot air supply,<br>flow direction not reversible                                 | 8036693        | VUVS-LT30-B52-D-G38-F8       |      |
|                                                                                     |                         | External pilot air supply,<br>flow direction not reversible                                 | 8036694        | VUVS-LT30-B52-ZD-G38-F8      |      |
| 5/2-way valve with solenoid coil (24 V DC)                                          |                         |                                                                                             |                |                              |      |
|    | Single solenoid, type C |                                                                                             |                |                              |      |
|                                                                                     | M52-M                   | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8036688        | VUVS-LT30-M52-MD-G38-F8-1C1  |      |
|                                                                                     |                         | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8036689        | VUVS-LT30-M52-MZD-G38-F8-1C1 |      |
|                                                                                     | Single solenoid, type B |                                                                                             |                |                              |      |
|                                                                                     | M52-M                   | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 8036690        | VUVS-LT30-M52-MD-G38-F8-1B2  |      |
|                                                                                     |                         | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction not reversible | 8036691        | VUVS-LT30-M52-MZD-G38-F8-1B2 |      |
|  | Double solenoid, type C |                                                                                             |                |                              |      |
|                                                                                     | B52                     | Internal pilot air supply,<br>flow direction not reversible                                 | 8036695        | VUVS-LT30-B52-D-G38-F8-1C1   |      |
|                                                                                     |                         | External pilot air supply,<br>flow direction not reversible                                 | 8036696        | VUVS-LT30-B52-ZD-G38-F8-1C1  |      |
|                                                                                     | Double solenoid, type B |                                                                                             |                |                              |      |
|                                                                                     | B52                     | Internal pilot air supply,<br>flow direction not reversible                                 | 8036697        | VUVS-LT30-B52-D-G38-F8-1B2   |      |
|                                                                                     |                         | External pilot air supply,<br>flow direction not reversible                                 | 8036698        | VUVS-LT30-B52-ZD-G38-F8-1B2  |      |

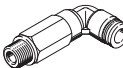
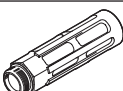
## Accessories

| Ordering data                                                                      |                                                        | Description           |                   | Part no.        | Type          |                         |
|------------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------|-------------------|-----------------|---------------|-------------------------|
| Solenoid coils for valves                                                          |                                                        |                       |                   |                 |               |                         |
|    | Plug pattern type C, to DIN EN 175301-803              | 12 V DC               |                   | 8030810         | VACF-B-C1-5   |                         |
|                                                                                    |                                                        | 24 V DC               |                   | 8030811         | VACF-B-C1-1   |                         |
|                                                                                    |                                                        | 48 V DC               |                   | 8030812         | VACF-B-C1-7   |                         |
|                                                                                    |                                                        | 24 V AC/50-60 Hz      |                   | 8030813         | VACF-B-C1-1A  |                         |
|                                                                                    |                                                        | 48 V AC/50-60 Hz      |                   | 8030814         | VACF-B-C1-7A  |                         |
|                                                                                    |                                                        | 110/120 V AC/50-60 Hz |                   | 8030815         | VACF-B-C1-16B |                         |
|                                                                                    |                                                        | 230/240 V AC/50-60 Hz |                   | 8030817         | VACF-B-C1-3W  |                         |
|                                                                                    | Plug pattern type B, industry standard                 | 12 V DC               |                   | 8030801         | VACF-B-B2-5   |                         |
|                                                                                    |                                                        | 24 V DC               |                   | 8030802         | VACF-B-B2-1   |                         |
|                                                                                    |                                                        | 48 V DC               |                   | 8030803         | VACF-B-B2-7   |                         |
|                                                                                    |                                                        | 24 V AC/50-60 Hz      |                   | 8030804         | VACF-B-B2-1A  |                         |
|                                                                                    |                                                        | 48 V AC/50-60 Hz      |                   | 8030805         | VACF-B-B2-7A  |                         |
|                                                                                    |                                                        | 110/120 V AC/50-60 Hz |                   | 8030806         | VACF-B-B2-16B |                         |
|                                                                                    |                                                        | 230/240 V AC/50-60 Hz |                   | 8030808         | VACF-B-B2-3W  |                         |
|                                                                                    | Plug pattern type A, to EN 175301-803                  | 12 V DC               |                   | 8030821         | VACF-A-A1-5   |                         |
|                                                                                    |                                                        | 24 V DC               |                   | 8030822         | VACF-A-A1-1   |                         |
|                                                                                    |                                                        | 48 V DC               |                   | 8030823         | VACF-A-A1-7   |                         |
|                                                                                    |                                                        | 24 V AC/50-60 Hz      |                   | 8030824         | VACF-A-A1-1A  |                         |
|                                                                                    |                                                        | 48 V AC/50-60 Hz      |                   | 8030825         | VACF-A-A1-7A  |                         |
|                                                                                    |                                                        | 110/120 V AC/50-60 Hz |                   | 8030826         | VACF-A-A1-16B |                         |
|                                                                                    |                                                        | 230/240 V AC/50-60 Hz |                   | 8030828         | VACF-A-A1-3W  |                         |
| Seal set for solenoid coil                                                         |                                                        |                       |                   |                 |               |                         |
|   | Plug pattern type C to guarantee protection class IP67 |                       | 2643771           | VAMC-B10-C-B-S8 |               |                         |
|                                                                                    | Plug pattern type B to guarantee protection class IP67 |                       | 8034609           | VAMC-B10-B-B-S8 |               |                         |
|                                                                                    | Plug pattern type A to guarantee protection class IP67 |                       | 8034611           | VAMC-B10-A-B-S8 |               |                         |
| Cover cap                                                                          |                                                        |                       |                   |                 |               |                         |
|  | For manual override, non-detenting or covered          |                       | 8028240           | VAMC-B10-20-CH2 |               |                         |
| Plug socket                                                                        |                                                        |                       |                   |                 |               |                         |
|  | Plug pattern type C, to DIN EN 175301-803              |                       |                   |                 |               |                         |
|                                                                                    | 3-pin, screw terminal                                  | Cable connector M12   | 0 ... 250 V AC/DC | IP65            | 539712        | MSSD-EB-M12             |
|                                                                                    |                                                        | Cable connector Pg7   |                   |                 | ★ 151687      | MSSD-EB                 |
|                                                                                    | 4-pin, insulation displacement connector               | Cable connector M14   | 0 ... 250 V AC/DC | IP67            | 192745        | MSSD-EB-S-M14           |
|                                                                                    | 3-pin, angled socket                                   | Cable connector M12   | 0 ... 24 V DC     | IP65            | 570367        | MSSD-EB-M12-24VDC-SD-EX |
|                                                                                    | Plug pattern type B, industry standard                 |                       |                   |                 |               |                         |
|                                                                                    | 3-pin, screw terminal                                  | Cable connector M16   | 0 ... 250 V AC/DC | IP65            | 539710        | MSSD-F-M16              |
|                                                                                    |                                                        | Cable connector Pg9   |                   |                 | ★ 34431       | MSSD-F                  |
|                                                                                    | 3-pin, insulation displacement connector               | –                     | 0 ... 250 V AC/DC | IP67            | 192746        | MSSD-F-S-M16            |

## Accessories

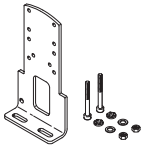
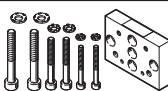
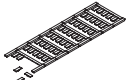
| Ordering data                                                                       |                                                 | Description                               |                   |                                        | Part no. | Type               |
|-------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------|-------------------|----------------------------------------|----------|--------------------|
| Plug socket                                                                         |                                                 |                                           |                   |                                        |          |                    |
|    | Plug pattern type A, to EN 175301-803           |                                           |                   |                                        |          |                    |
|                                                                                     | 3-pin, angled socket                            | Cable connector Pg9                       | 0 ... 250 V AC/DC | IP65                                   | 34583    | MSSD-C             |
|                                                                                     | 3-pin, angled socket                            | Cable connector M16                       | 0 ... 250 V AC/DC | IP65                                   | 539709   | MSSD-C-M16         |
|                                                                                     | 4-pin, angled socket                            | Cable connection, insulation displacement | 0 ... 250 V AC/DC | IP67                                   | 192748   | MSSD-C-S-M16       |
| Adapter                                                                             |                                                 |                                           |                   |                                        |          |                    |
|    | Socket type C, to EN 175301-803                 | Plug connector M12x1, 2-pin, A-coded      | 12 ... 24 V AC/DC | IP65                                   | 188024   | MSSD-EB-M12-MONO   |
| Plug socket with cable                                                              |                                                 |                                           |                   |                                        |          |                    |
|    | Plug pattern type C, to DIN EN 175301-803       |                                           |                   |                                        |          |                    |
|                                                                                     | Angled socket, 3-pin<br>Cable, open end, 3-wire | 24 V DC                                   | LED               | 2.5 m                                  | ★ 151688 | KMEB-1-24-2,5-LED  |
|                                                                                     |                                                 |                                           |                   | 5 m                                    | 151689   | KMEB-1-24-5-LED    |
|                                                                                     |                                                 |                                           |                   | 10 m                                   | 193457   | KMEB-1-24-10-LED   |
|                                                                                     |                                                 | 230 V AC                                  | –                 | 2.5 m                                  | 151690   | KMEB-1-230AC-2,5   |
|                                                                                     |                                                 |                                           |                   | 5 m                                    | 151691   | KMEB-1-230AC-5     |
|                                                                                     |                                                 |                                           |                   | Plug pattern type B, industry standard |          |                    |
|                                                                                     | Angled socket, 3-pin<br>Cable, open end, 3-wire | 24 V DC                                   | LED               | 2.5 m                                  | ★ 30935  | KMF-1-24DC-2,5-LED |
|                                                                                     |                                                 |                                           |                   | 5 m                                    | 30937    | KMF-1-24DC-5-LED   |
|                                                                                     |                                                 |                                           |                   | 10 m                                   | 193458   | KMF-1-24-10-LED    |
|                                                                                     |                                                 | 230 V AC                                  | –                 | 2.5 m                                  | 30936    | KMF-1-230AC-2,5    |
|                                                                                     |                                                 |                                           |                   | 5 m                                    | 30938    | KMF-1-230AC-5      |
|                                                                                     |                                                 |                                           |                   | Plug pattern type A, to EN 175301-803  |          |                    |
|                                                                                     | Angled socket, 3-pin<br>Cable, open end, 3-wire | 24 V DC                                   | LED               | 2.5 m                                  | 30931    | KMC-1-24DC-2.5-LED |
|                                                                                     |                                                 |                                           |                   | 5 m                                    | 30933    | KMC-1-24DC-5-LED   |
|                                                                                     |                                                 |                                           |                   | 10 m                                   | 193459   | KMC-1-24-10-LED    |
|                                                                                     |                                                 | 230 V AC                                  | –                 | 2.5 m                                  | 30932    | KMC-1-230AC-2,5    |
|                                                                                     |                                                 |                                           |                   | 5 m                                    | 30934    | KMC-1-230AC-5      |
| Illuminating seal                                                                   |                                                 |                                           |                   |                                        |          |                    |
|  | Plug pattern type C, to DIN EN 175301-803       | 24 V DC                                   |                   |                                        | 151717   | MEB-LD-12-24DC     |
|                                                                                     |                                                 | 230 V AC                                  |                   |                                        | 151718   | MEB-LD-230AC       |
|                                                                                     | Plug pattern type B, industry standard          | 24 V DC                                   |                   |                                        | 19143    | MF-LD-12-24DC      |
|                                                                                     |                                                 | 230 V AC                                  |                   |                                        | 19144    | MF-LD-230AC        |

## Accessories

| Ordering data                                                                     |                                                 | Description |                | Part no.        | Type | PU <sup>1)</sup> |
|-----------------------------------------------------------------------------------|-------------------------------------------------|-------------|----------------|-----------------|------|------------------|
| Push-in fitting with internal hex                                                 |                                                 |             |                |                 |      |                  |
|   | Connecting thread G1/8 for tubing O.D.          | 4 mm        | ★ 186106       | QS-G1/8-4-I     | 10   |                  |
|                                                                                   |                                                 |             | 133008         | QS-G1/8-4-I-100 | 100  |                  |
|                                                                                   | Connecting thread G3/8 for tubing O.D.          | 8 mm        | ★ 186111       | QS-G3/8-8-I     | 10   |                  |
|                                                                                   |                                                 | 10 mm       | ★ 186113       | QS-G3/8-10-I    | 10   |                  |
|                                                                                   |                                                 | 12 mm       | ★ 186114       | QS-G3/8-12-I    | 10   |                  |
| Angled push-in fitting with external hex                                          |                                                 |             |                |                 |      |                  |
|   | Connecting thread G3/8 for tubing O.D.          | 8 mm        | ★ 186121       | QSL-G3/8-8      | 10   |                  |
|                                                                                   |                                                 |             | 132055         | QSL-G3/8-8-50   | 50   |                  |
|                                                                                   |                                                 | 10 mm       | ★ 186123       | QSL-G3/8-10     | 10   |                  |
|                                                                                   |                                                 |             | 132056         | QSL-G3/8-10-20  | 20   |                  |
|                                                                                   |                                                 | 12 mm       | ★ 186124       | QSL-G3/8-12     | 10   |                  |
|                                                                                   |                                                 | 132057      | QSL-G3/8-12-20 | 20              |      |                  |
| Angled push-in fitting, long, with external hex                                   |                                                 |             |                |                 |      |                  |
|   | Connecting thread G3/8 for tubing O.D.          | 8 mm        | 186132         | QSL-G3/8-8      | 10   |                  |
|                                                                                   |                                                 | 10 mm       | 186134         | QSL-G3/8-10     | 10   |                  |
|                                                                                   |                                                 | 12 mm       | 186135         | QSL-G3/8-12     | 10   |                  |
| Silencer                                                                          |                                                 |             |                |                 |      |                  |
|   | With connecting thread G, metal design          | G3/8        | 6843           | U-3/8-B         | 1    |                  |
|  | With connecting thread G, sintered design, long | G3/8        | ★ 1205862      | AMTE-M-LH-G38   | 10   |                  |

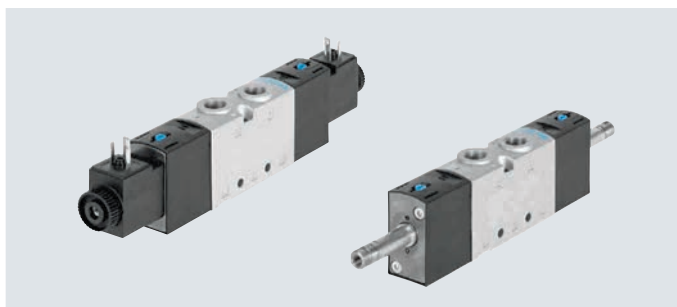
1) Packaging unit

## Accessories

| Ordering data                                                                     | Description                                                 | Weight<br>[g] | Part no.       | Type                  |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------|---------------|----------------|-----------------------|
| <b>Foot mounting</b>                                                              |                                                             |               |                |                       |
|  | With screw set for attaching the valve to the foot mounting | 239           | <b>8026337</b> | <b>VAME-B10-30-A</b>  |
| <b>Wall mounting</b>                                                              |                                                             |               |                |                       |
|  | With screw set for attaching the valve to the wall mounting | 53            | <b>576413</b>  | <b>VAME-B10-20-W</b>  |
| <b>Assortment of spare parts</b>                                                  |                                                             |               |                |                       |
|  | Set comprising seals and screws                             | 22            | <b>8035637</b> | <b>VAME-B10-30-MK</b> |
| <b>Inscription label</b>                                                          |                                                             |               |                |                       |
|  | 40 pieces in frame                                          | –             | <b>565306</b>  | <b>ASLR-C-E4</b>      |

## Technical data

-  - Flow rate  
up to 700 l/min
-  - Valve width  
21 mm
-  - Voltage  
12, 24 V DC  
24, 110, 120, 230, 240 V AC



| General technical data                    |                 |                                                 |      |               |      |               |      |      |
|-------------------------------------------|-----------------|-------------------------------------------------|------|---------------|------|---------------|------|------|
| Valve function                            |                 | 3/2-way valve                                   |      | 5/2-way valve |      | 5/3-way valve |      |      |
| Order code for valves                     |                 | M32C                                            | M32U | M52           | B52  | P53C          | P53U | P53E |
| Valve width                               | [mm]            | 21                                              |      |               |      |               |      |      |
| Nominal width                             | Diameter [mm]   | 5.7                                             |      |               |      | 5             | 4.8  | 4.5  |
| Design                                    |                 | Piston spool                                    |      |               |      |               |      |      |
| Flow direction                            |                 | Reversible with external pilot air supply       |      |               |      |               |      |      |
| Pilot air supply                          |                 | Internal or external                            |      |               |      |               |      |      |
| Type of control                           |                 | Piloted                                         |      |               |      |               |      |      |
| Manual override                           |                 | Non-detenting, detenting                        |      |               |      |               |      |      |
| Overlap                                   |                 | Positive overlap                                |      |               |      |               |      |      |
| Sealing principle                         |                 | Soft                                            |      |               |      |               |      |      |
| Type of mounting                          |                 | Optionally via through-hole or on manifold rail |      |               |      |               |      |      |
| Standard nominal flow rate q <sub>N</sub> | [l/min]         | 700                                             |      | 700           | 700  | 700           | 600  |      |
| Actuation type                            |                 | Electric                                        |      |               |      |               |      |      |
| Mounting position                         |                 | Any                                             |      |               |      |               |      |      |
| Exhaust air function                      |                 | Can be throttled                                |      |               |      |               |      |      |
| Pneumatic connection                      | 1, 2, 3<br>4, 5 | G1/8                                            | G1/8 | G1/8          | G1/8 | G1/8          | G1/8 | G1/8 |
| Pilot air port 12/14                      |                 | M5                                              |      |               |      |               |      |      |
| Pilot exhaust air port 82/84              |                 | M5                                              |      |               |      |               |      |      |

| ATEX                                                          |                                             |
|---------------------------------------------------------------|---------------------------------------------|
| Type                                                          | VUVS-L-...-EX2                              |
| ATEX category for gas                                         | II 3G                                       |
| Type of ignition protection for gas                           | Ex ec IIC T4 Gc X                           |
| ATEX category for dust                                        | II 3D                                       |
| Type of ignition protection for dust                          | Ex tc IIIC T115°C Dc X                      |
| Explosion-proof ambient temperature [°C]                      | -10°C ≤ Ta ≤ +60°C                          |
| CE marking<br>(see declaration of conformity) <sup>1)</sup>   | To EU Explosion Protection Directive (ATEX) |
| UKCA marking<br>(see declaration of conformity) <sup>1)</sup> | To UK EX instructions                       |
| Explosion protection certification outside the EU             | EPL Dc (GB)                                 |
|                                                               | EPL Gc (GB)                                 |

<sup>1)</sup> For information about the area of use, see the EC declaration of conformity at: [www.festo.com/catalogue/...](http://www.festo.com/catalogue/...) → Support/Downloads.

If the devices are subject to usage restrictions in residential, commercial or light-industrial environments, further measures for the reduction of the emitted interference may be necessary.



## Technical data

| Technical data – 3/2-way valves                   |             |                  |                   |                  |                   |
|---------------------------------------------------|-------------|------------------|-------------------|------------------|-------------------|
| Order code for valves                             |             | M32C             |                   | M32U             |                   |
| Normal position                                   |             | Closed           |                   | Open             |                   |
| Stable position                                   |             | Monostable       |                   | Monostable       |                   |
| Reset method                                      |             | Pneumatic spring | Mechanical spring | Pneumatic spring | Mechanical spring |
| Switching times in [ms]                           | On          | 14               | 14                | 14               | 15                |
|                                                   | Off         | 21               | 32                | 21               | 28                |
|                                                   | Change over | –                | –                 | –                | –                 |
| Product weight without solenoid coil              | [g]         | 138              | 136               | 138              | 136               |
| Product weight with solenoid coil                 | [g]         | 172              | 170               | 172              | 170               |
| Product weight with solenoid coil and plug socket | [g]         | 182              | 180               | 182              | 180               |

| Technical data – 5/2-way valves                   |             |                  |                   |          |
|---------------------------------------------------|-------------|------------------|-------------------|----------|
| Order code for valves                             |             | M52              |                   | B52      |
| Normal position                                   |             | –                |                   | –        |
| Stable position                                   |             | Monostable       |                   | Bistable |
| Reset method                                      |             | Pneumatic spring | Mechanical spring | –        |
| Switching times in [ms]                           | On          | 20               | 12                | –        |
|                                                   | Off         | 29               | 44                | –        |
|                                                   | Change over | –                | –                 | 10       |
| Product weight without solenoid coil              | [g]         | 188              | 183               | 225      |
| Product weight with solenoid coil                 | [g]         | 222              | 217               | 259      |
| Product weight with solenoid coil and plug socket | [g]         | 232              | 227               | 279      |

| Technical data – 5/3-way valves                   |             |                   |             |           |
|---------------------------------------------------|-------------|-------------------|-------------|-----------|
| Order code for valves                             |             | P53C              | P53U        | P53E      |
| Normal position/mid-position                      |             | Closed            | Pressurised | Exhausted |
| Stable position                                   |             | Monostable        |             |           |
| Reset method                                      |             | Mechanical spring |             |           |
| Switching times in [ms]                           | On          | 13                | 13          | 13        |
|                                                   | Off         | 42                | 42          | 44        |
|                                                   | Change over | 24                | 21          | 24        |
| Product weight without solenoid coil              | [g]         | 229               | 229         | 229       |
| Product weight with solenoid coil                 | [g]         | 263               | 263         | 263       |
| Product weight with solenoid coil and plug socket | [g]         | 283               | 283         | 283       |

| Safety data                           |     |                                                                                  |
|---------------------------------------|-----|----------------------------------------------------------------------------------|
| Max. positive test pulse with logic 0 | [s] | 1900 (valves with VACS-C-C1-1)                                                   |
| Max. negative test pulse with logic 1 | [s] | 2700 (valves with VACS-C-C1-1)                                                   |
| Shock resistance                      |     | Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27                |
| Vibration resistance                  |     | Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 |

## Technical data

| Operating and environmental conditions            |       |                                                                                            |            |            |
|---------------------------------------------------|-------|--------------------------------------------------------------------------------------------|------------|------------|
| Order code for valves                             |       | M32                                                                                        | M52        | P53        |
| Operating medium                                  |       | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |            |            |
| Pilot medium                                      |       | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |            |            |
| Note on operating/pilot medium                    |       | Lubricated operation possible (in which case lubricated operation will always be required) |            |            |
| Operating pressure with internal pilot air supply | [MPa] | 0.25 ... 1                                                                                 | 0.15 ... 1 | 0.25 ... 1 |
|                                                   | [bar] | 2.5 ... 10                                                                                 | 1.5 ... 10 | 2.5 ... 10 |
| Operating pressure with external pilot air supply | [MPa] | −0.09 ... +1                                                                               |            |            |
|                                                   | [bar] | −0.9 ... +10                                                                               |            |            |
| Pilot pressure                                    | [MPa] | 0.25 ... 1                                                                                 | 0.15 ... 1 | 0.25 ... 1 |
|                                                   | [bar] | 2.5 ... 10                                                                                 | 1.5 ... 10 | 2.5 ... 10 |
| Ambient temperature                               |       | −10 ... +60                                                                                |            |            |
| Temperature of medium                             |       | −10 ... +60                                                                                |            |            |
| Certification                                     |       | c UL us - Recognized (OL)                                                                  |            |            |
| Corrosion resistance class CRC <sup>1)</sup>      |       | 2                                                                                          |            |            |

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

| Electrical data                  |        |                                       |
|----------------------------------|--------|---------------------------------------|
|                                  |        | With solenoid coil                    |
| Electrical connection            |        | Plug type C to EN 175301-803          |
| Operating voltage                | [V DC] | 12, and 24 ±10%                       |
|                                  | [V AC] | 24, 110, 120, 230, 240 ±10%           |
| Permissible voltage fluctuations | [%]    | ±10                                   |
| Power                            | [W]    | 2.6                                   |
| Duty cycle                       | [%]    | 100                                   |
| Degree of protection to EN 60529 |        | IP65 with plug socket                 |
|                                  |        | Without solenoid coil                 |
|                                  |        | Via solenoid coil<br>→ Internet: vacs |

| Materials         |                                                                 |
|-------------------|-----------------------------------------------------------------|
| Housing           | Die-cast aluminium                                              |
| Seals             | HNBR, NBR                                                       |
| Piston spool      | Wrought aluminium alloy (P53 types: High-alloy stainless steel) |
| Screws            | Galvanised steel                                                |
| Note on materials | RoHS-compliant                                                  |

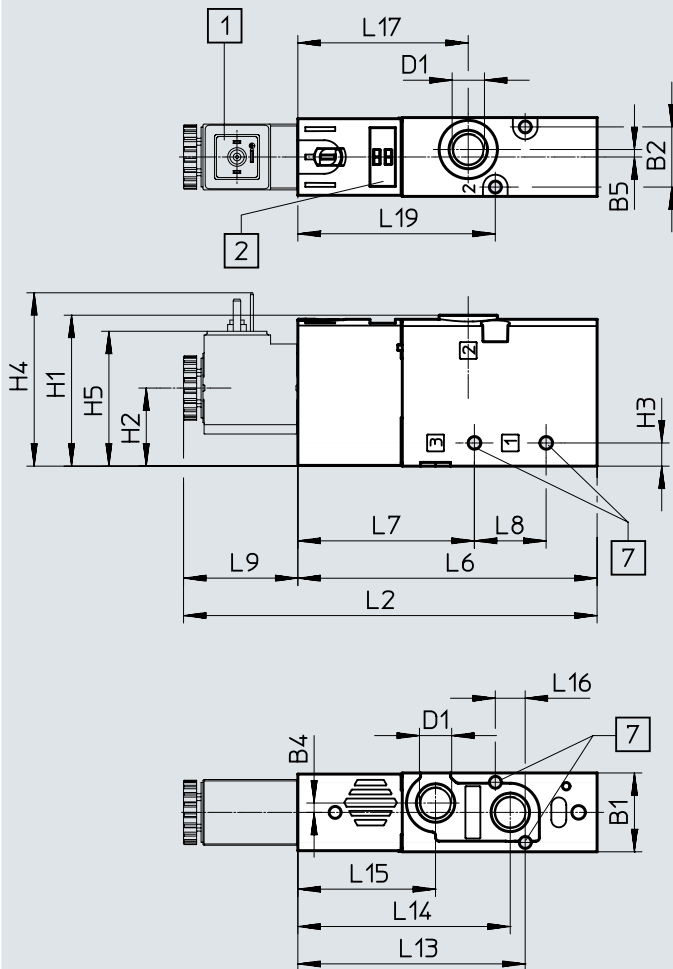
## Technical data

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

3/2-way valves, with solenoid coil

3/2-way valves, without solenoid coil

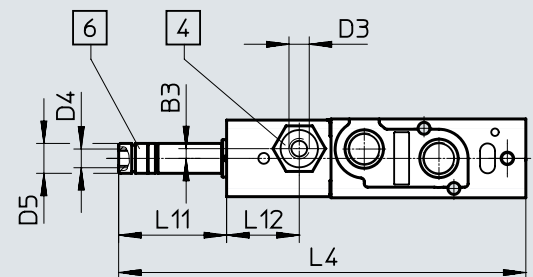


[1] Solenoid coil interface type C  
[2] Space for inscription label

[3] Port 10/12 for pilot air supply  
[4] Port 82 for pilot exhaust air

[5] For screw M3

[6] For screw M4



| Type                       | B1   | B2   | B3  | B4  | B5 | D1   | D3 | D4 | D5<br>Ø | H1   | H2   | H3  | H4   | H5   |
|----------------------------|------|------|-----|-----|----|------|----|----|---------|------|------|-----|------|------|
| VUVS-L20-M32...-D-G18-...  | 21.1 | 16.1 | –   | 2.5 | 2  | G1/8 | –  | M5 | 8       | 40.4 | 20.9 | 5.8 | 46.7 | 36.4 |
| VUVS-L20-M32...-ZD-G18-... |      |      | 2.6 |     |    |      | M5 |    |         |      |      |     |      |      |

| Type                       | L2    | L4    | L6   | L7   | L8 | L9   | L11 | L12  | L13  | L14  | L15  | L16 | L17  | L19  | L20 |
|----------------------------|-------|-------|------|------|----|------|-----|------|------|------|------|-----|------|------|-----|
| VUVS-L20-M32...-D-G18-...  | 110.7 | 109.1 | 80.1 | 47.9 | 18 | 30.6 | 29  | –    | 60.9 | 56.9 | 36.9 | 8   | 45.6 | 52.9 | 2   |
| VUVS-L20-M32...-ZD-G18-... |       |       |      |      |    |      |     | 19.5 |      |      |      |     |      |      |     |

Technical data

**Dimensions**

5/2-way single solenoid valves, with solenoid coil

Download CAD data → [www.festo.com](http://www.festo.com)

5/2-way single solenoid valves, without solenoid coil

[1] Solenoid coil interface type C  
[2] Space for inscription label  
[3] Port 14 for pilot air supply  
[4] Port 12 for pilot air supply  
[5] Port 84 for pilot exhaust air  
[6] For screw M3  
[7] For screw M4

| Type                       | B1   | B2   | B3  | B4  | B5 | D1   | D2 | D3 | D4 | D5<br>Ø | H1   | H2   | H3  | H4   | H5   |
|----------------------------|------|------|-----|-----|----|------|----|----|----|---------|------|------|-----|------|------|
| VUVS-L20-M52-...D-G18-...  | 21.1 | 16.1 | –   | 2.5 | 2  | G1/8 | –  | –  | M5 | 8       | 40.4 | 20.9 | 5.8 | 46.7 | 36.4 |
| VUVS-L20-M52-...ZD-G18-... |      |      | 2.6 |     |    |      | M5 | M5 |    |         |      |      |     |      |      |

| Type                       | L2    | L4    | L6    | L7   | L8 | L9   | L10  | L11 | L12  | L13  | L14  | L15  | L16 | L17  | L18  | L19  | L20 |
|----------------------------|-------|-------|-------|------|----|------|------|-----|------|------|------|------|-----|------|------|------|-----|
| VUVS-L20-M52-...D-G18-...  | 141.2 | 139.6 | 110.6 | 47.9 | 18 | 30.6 | –    | 29  | –    | 76.9 | 56.9 | 36.9 | 8   | 45.6 | 22.5 | 52.9 | 2   |
| VUVS-L20-M52-...ZD-G18-... |       |       |       |      |    |      | 94.3 |     | 19.5 |      |      |      |     |      |      |      |     |

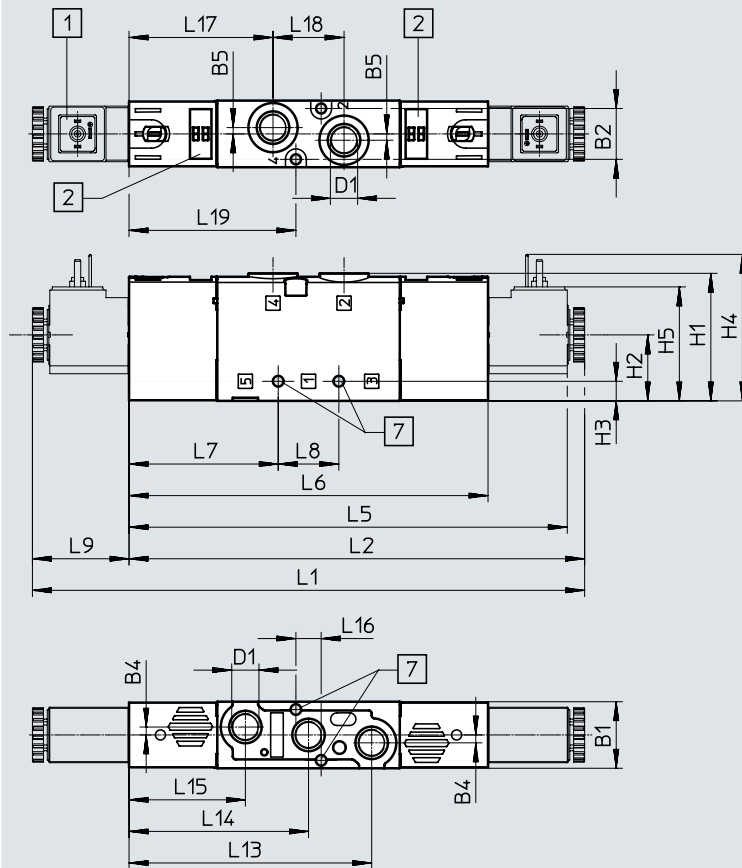
## Technical data

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

5/3-way valves and 5/2-way double solenoid valves, with solenoid coil

5/3-way valves and 5/2-way double solenoid valves, without solenoid coil

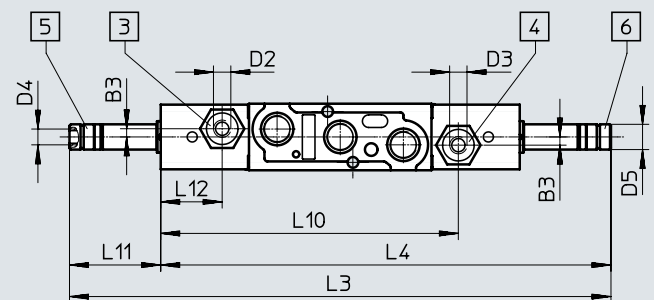


[1] Solenoid coil interface type C

[3] Port 14 for pilot air supply

[2] Space for inscription label

[4] Port 12 for pilot air supply



[5] Port 84 for pilot exhaust air

[7] For screw M3

[6] Port 82 for pilot exhaust air

[8] For screw M4

| Type                        | B1   | B2   | B3  | B4  | B5 | D1   | D2 | D3 | D4 | D5 | H1   | H2   | H3  | H4   | H5   |
|-----------------------------|------|------|-----|-----|----|------|----|----|----|----|------|------|-----|------|------|
| VUVS-L20-P53...-MD-G18-...  | 21.1 | 16.1 | –   | 2.5 | 2  | G1/8 | –  | –  | M5 | 8  | 40.4 | 20.9 | 5.8 | 46.7 | 36.4 |
| VUVS-L20-P53...-MZD-G18-... |      |      | 2.6 |     |    |      | M5 | M5 |    |    |      |      |     |      |      |
| VUVS-L20-B52-D-G18-...      |      |      | –   |     |    |      | –  | –  |    |    |      |      |     |      |      |
| VUVS-L20-B52-ZD-G18-...     |      |      | 2.6 |     |    |      | M5 | M5 |    |    |      |      |     |      |      |

| Type                        | L1    | L2    | L3    | L4    | L5    | L6    | L7   | L8 | L9   | L10  | L11 |
|-----------------------------|-------|-------|-------|-------|-------|-------|------|----|------|------|-----|
| VUVS-L20-P53...-MD-G18-...  | 174.9 | 144.3 | 171.7 | 142.7 | 139.1 | 113.7 | 47.9 | 18 | 30.6 | –    | 29  |
| VUVS-L20-P53...-MZD-G18-... |       |       |       |       |       |       |      |    |      | 94.3 |     |
| VUVS-L20-B52-D-G18-...      |       |       |       |       |       |       |      |    |      | –    |     |
| VUVS-L20-B52-ZD-G18-...     |       |       |       |       |       |       |      |    |      | 94.3 |     |

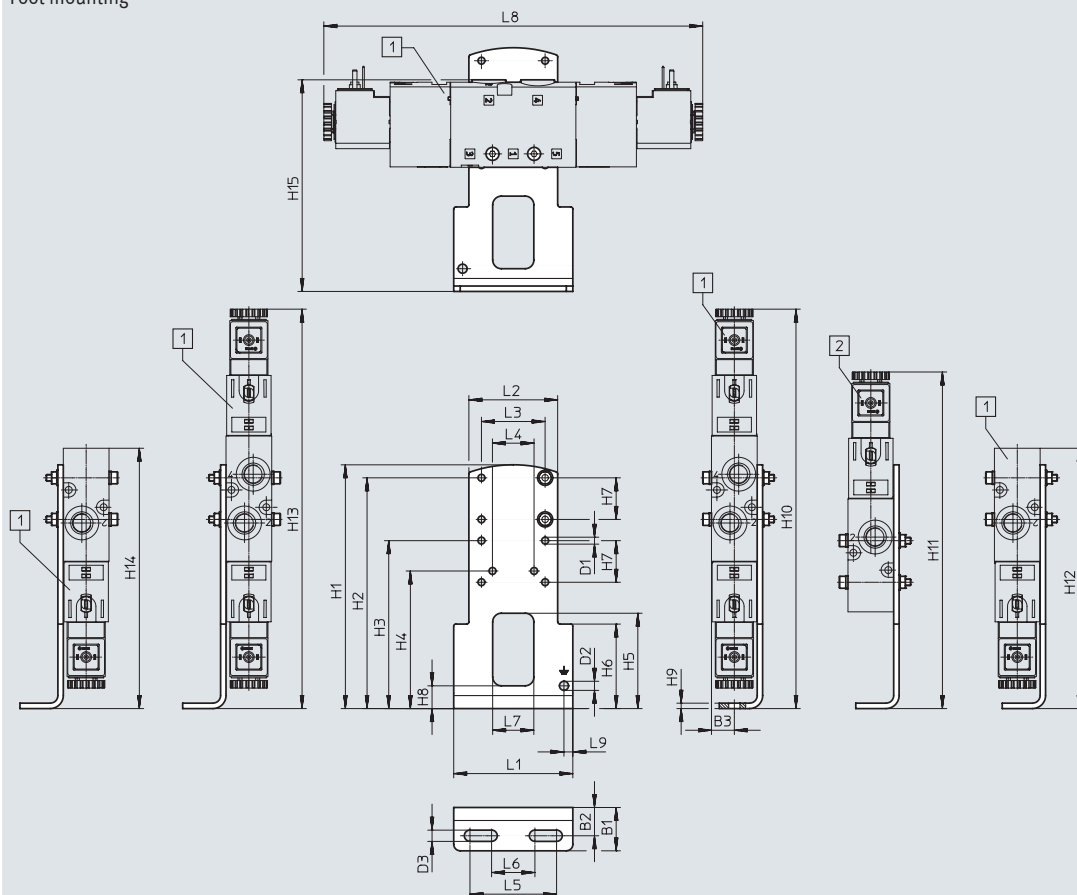
| Type                        | L12  | L13  | L14  | L15  | L16 | L17  | L18  | L19  | L20 |
|-----------------------------|------|------|------|------|-----|------|------|------|-----|
| VUVS-L20-P53...-MD-G18-...  | –    | 76.9 | 56.9 | 36.9 | 8   | 45.6 | 22.5 | 52.9 | 2   |
| VUVS-L20-P53...-MZD-G18-... | 19.5 |      |      |      |     |      |      |      |     |
| VUVS-L20-B52-D-G18-...      | –    |      |      |      |     |      |      |      |     |
| VUVS-L20-B52-ZD-G18-...     | 19.5 |      |      |      |     |      |      |      |     |

## Accessories

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

Foot mounting



[1] VUVS-L20-B52,  
VUVS-L20-P53,  
VUVS-L20-M52,  
VUVS-L20-M32

[2] VUVS-L20-M52,  
VUVS-L20-M32

| Type          |                  | B1 | B2   | B3   | D1<br>Ø | D2<br>Ø | D3  | H1    | H2    | H3   | H4   |
|---------------|------------------|----|------|------|---------|---------|-----|-------|-------|------|------|
| VAME-B10-20-A | VUVS-L20-B52/P53 | 20 | 13.1 | 10.6 | 3.2     | 4.2     | 5.2 | 112.5 | 106.5 | 77.5 | 63.5 |
|               | VUVS-L20-M52     |    |      |      |         |         |     |       |       |      |      |
|               | VUVS-L20-M32     |    |      |      |         |         |     |       |       |      |      |

| Type          |                  | H5 | H6 | H7   | H8   | H9  | H10   | H11   | H12   | H13   | H14   |
|---------------|------------------|----|----|------|------|-----|-------|-------|-------|-------|-------|
| VAME-B10-20-A | VUVS-L20-B52/P53 | 44 | 39 | 19.2 | 10.5 | 2.5 | 184.4 | —     | 184.4 | 184.4 | 184.4 |
|               | VUVS-L20-M52     |    |    |      |      |     |       | 155.4 | 150.6 |       | 150.6 |
|               | VUVS-L20-M32     |    |    |      |      |     |       |       | 120.2 |       | 120.2 |

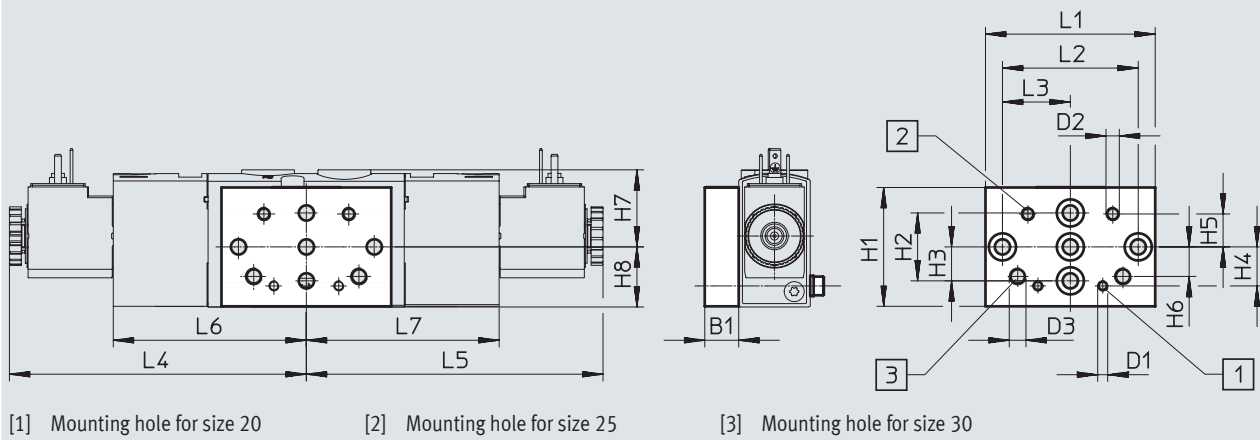
| Type          |                  | H15  | L1 | L2 | L3   | L4   | L5 | L6 | L7 | L8    | L9  |
|---------------|------------------|------|----|----|------|------|----|----|----|-------|-----|
| VAME-B10-20-A | VUVS-L20-B52/P53 | 97.7 | 55 | 41 | 29.4 | 19.2 | 40 | 20 | 19 | 174.9 | 4.1 |
|               | VUVS-L20-M52     |      |    |    |      |      |    |    |    | 141.2 |     |
|               | VUVS-L20-M32     |      |    |    |      |      |    |    |    | 110.7 |     |

## Technical data

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

Wall mounting

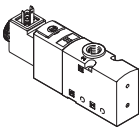
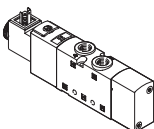
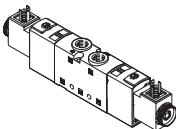


| Type          |                  | B1 | D1 | D2 | D3 | H1 | H2 | H3 | H4   | H5  | H6  |
|---------------|------------------|----|----|----|----|----|----|----|------|-----|-----|
| VAME-B10-20-W | VUVS-L20-B52/P53 | 10 | M3 | M4 | M5 | 35 | 20 | 10 | 11.5 | 9.7 | 8.7 |
|               | VUVS-L20-M52     |    |    |    |    |    |    |    |      |     |     |
|               | VUVS-L20-M32     |    |    |    |    |    |    |    |      |     |     |

| Type          |                  | H7   | H8   | L1 | L2 | L3 | L4   | L5   | L6   | L7   |
|---------------|------------------|------|------|----|----|----|------|------|------|------|
| VAME-B10-20-W | VUVS-L20-B52/P53 | 22.7 | 17.7 | 50 | 40 | 20 | 87.5 | 87.5 | 56.9 | 56.9 |
|               | VUVS-L20-M52     |      |      |    |    |    |      | 53.7 |      | –    |
|               | VUVS-L20-M32     |      |      |    |    |    |      | 23.3 |      | –    |

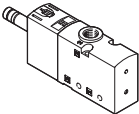
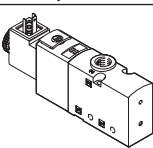
## Accessories

## ★ Core product range

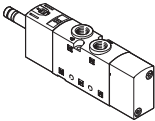
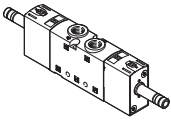
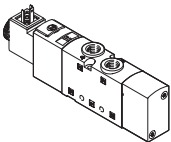
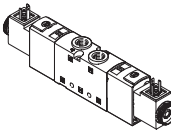
| Ordering data                                                                    |                                          | Code                                                                                        | Valve function | Part no. | Type                        |
|----------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------------------------|----------------|----------|-----------------------------|
| 3/2-way valve with solenoid coil (24 V DC)                                       |                                          |                                                                                             |                |          |                             |
|  | Single solenoid, normally closed, type C |                                                                                             |                | ★ 575274 | VUVS-L20-M32C-MD-G18-F7-1C1 |
|                                                                                  | M32C-M                                   | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible |                |          |                             |
| 5/2-way valve with solenoid coil (24 V DC)                                       |                                          |                                                                                             |                |          |                             |
|  | Single solenoid, type C                  |                                                                                             |                | ★ 575263 | VUVS-L20-M52-AD-G18-F7-1C1  |
|                                                                                  | M52-A                                    | Reset via pneumatic spring,<br>internal pilot air supply,<br>flow direction not reversible  |                |          |                             |
|                                                                                  | M52-M                                    | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible |                | ★ 575264 | VUVS-L20-M52-MD-G18-F7-1C1  |
| 5/3-way valve with solenoid coil (24 V DC)                                       |                                          |                                                                                             |                |          |                             |
|  | Mid-position closed, type C              |                                                                                             |                | ★ 575268 | VUVS-L20-P53C-MD-G18-F7-1C1 |
|                                                                                  | P53C                                     | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible |                |          |                             |



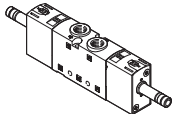
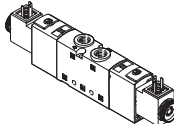
## Accessories

| Ordering data                                                                       |                                          |                                                                                       |          |                              |
|-------------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------------------|----------|------------------------------|
|                                                                                     | Code                                     | Valve function                                                                        | Part no. | Type                         |
| 3/2-way valve without solenoid coil                                                 |                                          |                                                                                       |          |                              |
|    | Single solenoid, normally closed         |                                                                                       |          |                              |
|                                                                                     | M32C-A                                   | Reset via pneumatic spring, internal pilot air supply, flow direction not reversible  | 575255   | VUVS-L20-M32C-AD-G18-F7      |
|                                                                                     |                                          | Reset via pneumatic spring, external pilot air supply, flow direction reversible      | 575257   | VUVS-L20-M32C-AZD-G18-F7     |
|                                                                                     | M32C-M                                   | Reset via mechanical spring, internal pilot air supply, flow direction not reversible | 575260   | VUVS-L20-M32C-MD-G18-F7      |
|                                                                                     |                                          | Reset via mechanical spring, external pilot air supply, flow direction reversible     | 575259   | VUVS-L20-M32C-MZD-G18-F7     |
|                                                                                     | Single solenoid, normally open           |                                                                                       |          |                              |
|                                                                                     | M32U-A                                   | Reset via pneumatic spring, internal pilot air supply, flow direction not reversible  | 575256   | VUVS-L20-M32U-AD-G18-F7      |
|                                                                                     |                                          | Reset via pneumatic spring, external pilot air supply, flow direction reversible      | 575258   | VUVS-L20-M32U-AZD-G18-F7     |
|                                                                                     | M32U-M                                   | Reset via mechanical spring, internal pilot air supply, flow direction not reversible | 575262   | VUVS-L20-M32U-MD-G18-F7      |
|                                                                                     |                                          | Reset via mechanical spring, external pilot air supply, flow direction reversible     | 575261   | VUVS-L20-M32U-MZD-G18-F7     |
| 3/2-way valve with solenoid coil (24 V DC)                                          |                                          |                                                                                       |          |                              |
|  | Single solenoid, normally closed, type C |                                                                                       |          |                              |
|                                                                                     | M32C-A                                   | Reset via pneumatic spring, internal pilot air supply, flow direction not reversible  | 575269   | VUVS-L20-M32C-AD-G18-F7-1C1  |
|                                                                                     |                                          | Reset via pneumatic spring, external pilot air supply, flow direction reversible      | 575271   | VUVS-L20-M32C-AZD-G18-F7-1C1 |
|                                                                                     | M32C-M                                   | Reset via mechanical spring, external pilot air supply, flow direction reversible     | 575273   | VUVS-L20-M32C-MZD-G18-F7-1C1 |
|                                                                                     | Single solenoid, normally open, type C   |                                                                                       |          |                              |
|                                                                                     | M32U-A                                   | Reset via pneumatic spring, internal pilot air supply, flow direction not reversible  | 575270   | VUVS-L20-M32U-AD-G18-F7-1C1  |
|                                                                                     |                                          | Reset via pneumatic spring, external pilot air supply, flow direction reversible      | 575272   | VUVS-L20-M32U-AZD-G18-F7-1C1 |
|                                                                                     | M32U-M                                   | Reset via mechanical spring, internal pilot air supply, flow direction not reversible | 575276   | VUVS-L20-M32U-MD-G18-F7-1C1  |
|                                                                                     |                                          | Reset via mechanical spring, external pilot air supply, flow direction reversible     | 575275   | VUVS-L20-M32U-MZD-G18-F7-1C1 |

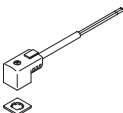
## Accessories

| Ordering data                                                                      |                                                                                  |                                                                                             |                                                                                         |                             |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------|
|                                                                                    | Code                                                                             | Valve function                                                                              | Part no.                                                                                | Type                        |
| 5/2-way valve without solenoid coil                                                |                                                                                  |                                                                                             |                                                                                         |                             |
|    | Single solenoid                                                                  |                                                                                             |                                                                                         |                             |
|                                                                                    | M52-A                                                                            | Reset via pneumatic spring,<br>internal pilot air supply,<br>flow direction not reversible  | 575249                                                                                  | VUVS-L20-M52-AD-G18-F7      |
|                                                                                    |                                                                                  | Reset via pneumatic spring,<br>external pilot air supply,<br>flow direction reversible      | 575675                                                                                  | VUVS-L20-M52-AZD-G18-F7     |
|                                                                                    | M52-M                                                                            | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575250                                                                                  | VUVS-L20-M52-MD-G18-F7      |
|                                                                                    |                                                                                  | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575679                                                                                  | VUVS-L20-M52-MZD-G18-F7     |
|                                                                                    |  | Double solenoid                                                                             |                                                                                         |                             |
| B52                                                                                |                                                                                  | Internal pilot air supply,<br>flow direction not reversible                                 | 575251                                                                                  | VUVS-L20-B52-D-G18-F7       |
|                                                                                    |                                                                                  | External pilot air supply,<br>flow direction reversible                                     | 575682                                                                                  | VUVS-L20-B52-ZD-G18-F7      |
| 5/2-way valve with solenoid coil (24 V DC)                                         |                                                                                  |                                                                                             |                                                                                         |                             |
|   | Single solenoid, type C                                                          |                                                                                             |                                                                                         |                             |
|                                                                                    | M52-A                                                                            | Reset via pneumatic spring,<br>external pilot air supply,<br>flow direction reversible      | 575676                                                                                  | VUVS-L20-M52-AZD-G18-F7-1C1 |
|                                                                                    |                                                                                  | M52-M                                                                                       | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible | 575680                      |
|  | Double solenoid, type C                                                          |                                                                                             |                                                                                         |                             |
|                                                                                    | B52                                                                              | Internal pilot air supply,<br>flow direction not reversible                                 | 575265                                                                                  | VUVS-L20-B52-D-G18-F7-1C1   |
|                                                                                    |                                                                                  | External pilot air supply,<br>flow direction reversible                                     | 575683                                                                                  | VUVS-L20-B52-ZD-G18-F7-1C1  |

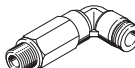
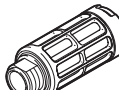
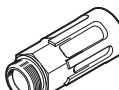
## Accessories

| Ordering data                                                                      |                                  |                                                                                             |          |                              |
|------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------|----------|------------------------------|
|                                                                                    | Code                             | Valve function                                                                              | Part no. | Type                         |
| 5/3-way valve without solenoid coil                                                |                                  |                                                                                             |          |                              |
|   | Mid-position closed              |                                                                                             |          |                              |
|                                                                                    | P53C                             | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575254   | VUVS-L20-P53C-MD-G18-F7      |
|                                                                                    |                                  | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575685   | VUVS-L20-P53C-MZD-G18-F7     |
|                                                                                    | Mid-position exhausted           |                                                                                             |          |                              |
|                                                                                    | P53E                             | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575252   | VUVS-L20-P53E-MD-G18-F7      |
|                                                                                    |                                  | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575691   | VUVS-L20-P53E-MZD-G18-F7     |
|                                                                                    | Mid-position pressurised         |                                                                                             |          |                              |
|                                                                                    | P53U                             | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575253   | VUVS-L20-P53U-MD-G18-F7      |
|                                                                                    |                                  | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575688   | VUVS-L20-P53U-MZD-G18-F7     |
| 5/3-way valve with solenoid coil (24 V DC)                                         |                                  |                                                                                             |          |                              |
|  | Mid-position closed, type C      |                                                                                             |          |                              |
|                                                                                    | P53C                             | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575686   | VUVS-L20-P53C-MZD-G18-F7-1C1 |
|                                                                                    | Mid-position exhausted, type C   |                                                                                             |          |                              |
|                                                                                    | P53E                             | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575266   | VUVS-L20-P53E-MD-G18-F7-1C1  |
|                                                                                    |                                  | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575692   | VUVS-L20-P53E-MZD-G18-F7-1C1 |
|                                                                                    | Mid-position pressurised, type C |                                                                                             |          |                              |
|                                                                                    | P53U                             | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575267   | VUVS-L20-P53U-MD-G18-F7-1C1  |
|                                                                                    |                                  | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575689   | VUVS-L20-P53U-MZD-G18-F7-1C1 |

## Accessories

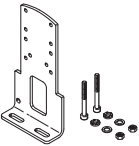
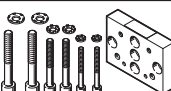
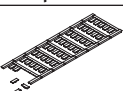
| Ordering data                                                                      |                                                                                              | Description                          |                       | Part no.        | Type                    |                  |                   |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------|-----------------------|-----------------|-------------------------|------------------|-------------------|
| Solenoid coils for valves                                                          |                                                                                              |                                      |                       |                 |                         |                  |                   |
|    | Plug pattern type C, to DIN EN 175301-803                                                    |                                      | 12 V DC               | 8025331         | VACS-C-C1-5             |                  |                   |
|                                                                                    |                                                                                              |                                      | 24 V DC               | 8025330         | VACS-C-C1-1             |                  |                   |
|                                                                                    |                                                                                              |                                      | 48 V DC               | 8025336         | VACS-C-C1-7             |                  |                   |
|                                                                                    |                                                                                              |                                      | 24 V AC/50-60 Hz      | 8025335         | VACS-C-C1-1A            |                  |                   |
|                                                                                    |                                                                                              |                                      | 48 V AC/50-60 Hz      | 8025337         | VACS-C-C1-7A            |                  |                   |
|                                                                                    |                                                                                              |                                      | 110/120 V AC/50-60 Hz | 8025334         | VACS-C-C1-16B           |                  |                   |
|                                                                                    |                                                                                              |                                      | 230/240 V AC/50-60 Hz | 8025338         | VACS-C-C1-3W            |                  |                   |
| Seal set                                                                           |                                                                                              |                                      |                       |                 |                         |                  |                   |
|    | For valves in order to guarantee protection class IP67                                       |                                      | 2643771               | VAMC-B10-C-B-S8 |                         |                  |                   |
| Cover cap                                                                          |                                                                                              |                                      |                       |                 |                         |                  |                   |
|    | For manual override, non-detenting or covered                                                |                                      | 8028240               | VAMC-B10-20-CH2 |                         |                  |                   |
| Plug socket                                                                        |                                                                                              |                                      |                       |                 |                         |                  |                   |
|    | Plug pattern type C, to DIN EN 175301-803                                                    |                                      |                       |                 |                         |                  |                   |
|                                                                                    | 3-pin, screw terminal                                                                        | Cable connector M12                  | 0 ... 250 V AC/DC     | IP65            | 539712                  | MSSD-EB-M12      |                   |
|                                                                                    |                                                                                              | Cable connector Pg7                  |                       |                 | ★ 151687                | MSSD-EB          |                   |
|                                                                                    | 4-pin, insulation displacement connector                                                     | Cable connector M14                  | 0 ... 250 V AC/DC     | IP67            | 192745                  | MSSD-EB-S-M14    |                   |
|                                                                                    |                                                                                              |                                      |                       |                 |                         |                  |                   |
| 3-pin, angled socket                                                               | Cable connector M12                                                                          | 0 ... 24 V DC                        | IP65                  | 570367          | MSSD-EB-M12-24VDC-SD-EX |                  |                   |
| Adapter                                                                            |                                                                                              |                                      |                       |                 |                         |                  |                   |
|  | Socket type C, to EN 175301-803                                                              | Plug connector M12x1, 2-pin, A-coded | 12 ... 24 V AC/DC     | IP65            | 188024                  | MSSD-EB-M12-MONO |                   |
| Plug socket with cable                                                             |                                                                                              |                                      |                       |                 |                         |                  |                   |
|  | Plug pattern type C, to DIN EN 175301-803<br>Angled socket, 3-pin<br>Cable, open end, 3-wire |                                      | 24 V DC               | LED             | 2.5 m                   | ★ 151688         | KMEB-1-24-2,5-LED |
|                                                                                    |                                                                                              |                                      |                       |                 | 5 m                     | 151689           | KMEB-1-24-5-LED   |
|                                                                                    |                                                                                              |                                      |                       |                 | 10 m                    | 193457           | KMEB-1-24-10-LED  |
|                                                                                    |                                                                                              |                                      | 230 V AC              | –               | 2.5 m                   | 151690           | KMEB-1-230AC-2,5  |
|                                                                                    |                                                                                              |                                      |                       |                 | 5 m                     | 151691           | KMEB-1-230AC-5    |
|                                                                                    |                                                                                              |                                      |                       |                 |                         |                  |                   |
| Illuminating seal                                                                  |                                                                                              |                                      |                       |                 |                         |                  |                   |
|  | Plug pattern type C, to DIN EN 175301-803                                                    |                                      | 24 V DC               | 151717          | MEB-LD-12-24DC          |                  |                   |
|                                                                                    |                                                                                              |                                      | 230 V AC              | 151718          | MEB-LD-230AC            |                  |                   |

## Accessories

| Ordering data                                                                       |                                                 | Description     |                 | Part no.        | Type | PU <sup>1)</sup> |
|-------------------------------------------------------------------------------------|-------------------------------------------------|-----------------|-----------------|-----------------|------|------------------|
| Push-in fitting with internal hex                                                   |                                                 |                 |                 |                 |      |                  |
|    | Connecting thread M5 for tubing O.D.            | 4 mm            | ★ 153315        | QSM-M5-4-I      | 10   |                  |
|                                                                                     | Connecting thread G1/8 for tubing O.D.          | 4 mm            | ★ 186106        | QS-G1/8-4-I     | 10   |                  |
|                                                                                     |                                                 |                 | 133008          | QS-G1/8-4-I-100 | 100  |                  |
|                                                                                     |                                                 | 6 mm            | ★ 186107        | QS-G1/8-6-I     | 10   |                  |
|                                                                                     |                                                 |                 | 133009          | QS-G1/8-6-I-100 | 100  |                  |
|                                                                                     |                                                 | 8 mm            | ★ 186109        | QS-G1/8-8-I     | 10   |                  |
|                                                                                     |                                                 | 133010          | QS-G1/8-8-I-100 | 100             |      |                  |
| Angled push-in fitting with external hex                                            |                                                 |                 |                 |                 |      |                  |
|    | Connecting thread G1/8 for tubing O.D.          | 4 mm            | ★ 186116        | QSL-G1/8-4      | 10   |                  |
|                                                                                     |                                                 |                 | 132048          | QSL-G1/8-4-100  | 100  |                  |
|                                                                                     |                                                 | 6 mm            | ★ 186117        | QSL-G1/8-6      | 10   |                  |
|                                                                                     |                                                 |                 | 132049          | QSL-G1/8-6-100  | 100  |                  |
|                                                                                     |                                                 | 8 mm            | ★ 186119        | QSL-G1/8-8      | 10   |                  |
|                                                                                     | 132050                                          | QSL-G1/8-8-50   | 50              |                 |      |                  |
| Angled push-in fitting, long, with external hex                                     |                                                 |                 |                 |                 |      |                  |
|    | Connecting thread G1/8 for tubing O.D.          | 4 mm            | 186127          | QSLL-G1/8-4     | 10   |                  |
|                                                                                     |                                                 |                 | 133015          | QSLL-G1/8-4-100 | 100  |                  |
|                                                                                     |                                                 | 6 mm            | 186128          | QSLL-G1/8-6     | 10   |                  |
|                                                                                     |                                                 |                 | 133016          | QSLL-G1/8-6-100 | 100  |                  |
|                                                                                     |                                                 | 8 mm            | 186130          | QSLL-G1/8-8     | 10   |                  |
|                                                                                     | 133017                                          | QSLL-G1/8-8-100 | 100             |                 |      |                  |
| Silencer                                                                            |                                                 |                 |                 |                 |      |                  |
|  | With connecting thread G, polymer design        | G1/8            | ★ 2307          | U-1/8           | 1    |                  |
|                                                                                     |                                                 |                 | 534222          | U-1/8-50        | 50   |                  |
|  | With connecting thread G, metal design          | G1/8            | 6841            | U-1/8-B         | 1    |                  |
|  | With connecting thread G, sintered design, long | G1/8            | ★ 1205860       | AMTE-M-LH-G18   | 20   |                  |

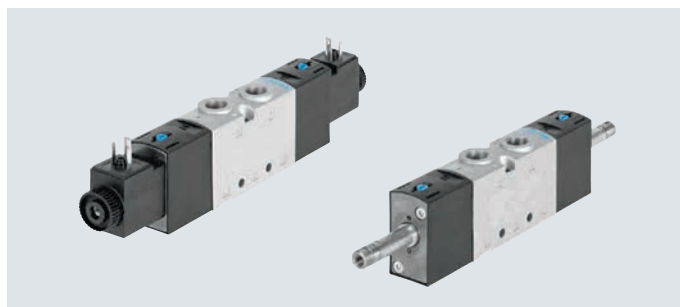
1) Packaging unit

## Accessories

| Ordering data                                                                      |  | Description                                                 | Weight<br>[g] | Part no. | Type            |
|------------------------------------------------------------------------------------|--|-------------------------------------------------------------|---------------|----------|-----------------|
| <b>Foot mounting</b>                                                               |  |                                                             |               |          |                 |
|    |  | With screw set for attaching the valve to the foot mounting | 97            | 576412   | VAME-B10-20-A   |
| <b>Wall mounting</b>                                                               |  |                                                             |               |          |                 |
|    |  | With screw set for attaching the valve to the wall mounting | 53            | 576413   | VAME-B10-20-W   |
| <b>Assortment of spare parts</b>                                                   |  |                                                             |               |          |                 |
|    |  | Set comprising seals and screws                             | 10            | 8026203  | VAME-B10-20-MK  |
| <b>Inscription label</b>                                                           |  |                                                             |               |          |                 |
|    |  | 40 pieces in frame                                          | –             | 565306   | ASLR-C-E4       |
| <b>Mounting kit</b>                                                                |  |                                                             |               |          |                 |
|  |  | With mounting bracket for lateral valve mounting            |               |          |                 |
|                                                                                    |  | For standards-based cylinder DSBC-32...40                   | 76            | 2568514  | DAVM-MW-V1-32-V |

## Technical data

-  - Flow rate  
up to 1300 l/min
-  - Valve width  
26.5 mm
-  - Voltage  
12, 24 V DC  
24, 110, 120, 230, 240 V AC



| General technical data                 |  |                                                 |      |               |      |               |      |      |
|----------------------------------------|--|-------------------------------------------------|------|---------------|------|---------------|------|------|
| Valve function                         |  | 3/2-way valve                                   |      | 5/2-way valve |      | 5/3-way valve |      |      |
| Order code for valves                  |  | M32C                                            | M32U | M52           | B52  | P53C          | P53U | P53E |
| Valve width [mm]                       |  | 26.5                                            |      |               |      |               |      |      |
| Nominal width Diameter [mm]            |  | 6.3                                             |      | 6.9           |      | 6.5           | 6.3  |      |
| Design                                 |  | Piston spool                                    |      |               |      |               |      |      |
| Flow direction                         |  | Reversible with external pilot air supply       |      |               |      |               |      |      |
| Pilot air supply                       |  | Internal or external                            |      |               |      |               |      |      |
| Type of control                        |  | Piloted                                         |      |               |      |               |      |      |
| Manual override                        |  | Non-detenting, detenting                        |      |               |      |               |      |      |
| Overlap                                |  | Positive overlap                                |      |               |      |               |      |      |
| Sealing principle                      |  | Soft                                            |      |               |      |               |      |      |
| Type of mounting                       |  | Optionally via through-hole or on manifold rail |      |               |      |               |      |      |
| Standard nominal flow rate qnN [l/min] |  | 1000                                            |      | 1300          | 1300 | 1200          | 1000 |      |
| Actuation type                         |  | Electric                                        |      |               |      |               |      |      |
| Mounting position                      |  | Any                                             |      |               |      |               |      |      |
| Exhaust air function                   |  | Can be throttled                                |      |               |      |               |      |      |
| Pneumatic connection 1, 2, 3           |  | G1/4                                            | G1/4 | G1/4          | G1/4 | G1/4          | G1/4 | G1/4 |
| 4, 5                                   |  | –                                               | –    | G1/4          | G1/4 | G1/4          | G1/4 | G1/4 |
| Pilot air port 12/14                   |  | M5                                              |      |               |      |               |      |      |
| Pilot exhaust air port 82/84           |  | M5                                              |      |               |      |               |      |      |

| ATEX                                                          |                                             |
|---------------------------------------------------------------|---------------------------------------------|
| Type                                                          | VUVS-L-...-EX2                              |
| ATEX category for gas                                         | II 3G                                       |
| Type of ignition protection for gas                           | Ex ec IICT4 Gc X                            |
| ATEX category for dust                                        | II 3D                                       |
| Type of ignition protection for dust                          | Ex tc IIIC T115°C Dc X                      |
| Explosion-proof ambient temperature [°C]                      | -10°C ≤ Ta ≤ +60°C                          |
| CE marking<br>(see declaration of conformity) <sup>1)</sup>   | To EU Explosion Protection Directive (ATEX) |
| UKCA marking<br>(see declaration of conformity) <sup>1)</sup> | To UK EX instructions                       |
| Explosion protection certification outside the EU             | EPL Dc (GB)                                 |
|                                                               | EPL Gc (GB)                                 |

<sup>1)</sup> For information about the area of use, see the EC declaration of conformity at: [www.festo.com/catalogue/...](http://www.festo.com/catalogue/...) → Support/Downloads.

If the devices are subject to usage restrictions in residential, commercial or light-industrial environments, further measures for the reduction of the emitted interference may be necessary.

## Technical data

| Technical data – 3/2-way valves      |             |                  |                   |                  |                   |
|--------------------------------------|-------------|------------------|-------------------|------------------|-------------------|
| Order code for valves                |             | M32C             |                   | M32U             |                   |
| Normal position                      |             | Closed           |                   | Open             |                   |
| Stable position                      |             | Monostable       |                   | Monostable       |                   |
| Reset method                         |             | Pneumatic spring | Mechanical spring | Pneumatic spring | Mechanical spring |
| Switching times in [ms]              | On          | 13               | 11                | 12               | 11                |
|                                      | Off         | 26               | 40                | 26               | 39                |
|                                      | Change over | –                | –                 | –                | –                 |
| Product weight without solenoid coil | [g]         | 244              | 244               | 244              | 244               |
| Product weight with solenoid coil    | [g]         | 297              | 297               | 297              | 297               |

| Technical data – 5/2-way valves      |             |                  |                   |          |  |
|--------------------------------------|-------------|------------------|-------------------|----------|--|
| Order code for valves                |             | M52              |                   | B52      |  |
| Normal position                      |             | –                |                   | –        |  |
| Stable position                      |             | Monostable       |                   | Bistable |  |
| Reset method                         |             | Pneumatic spring | Mechanical spring | –        |  |
| Switching times in [ms]              | On          | 19               | 12                | –        |  |
|                                      | Off         | 35               | 47                | –        |  |
|                                      | Change over | –                | –                 | 11       |  |
| Product weight without solenoid coil | [g]         | 311              | 311               | 322      |  |
| Product weight with solenoid coil    | [g]         | 363              | 363               | 428      |  |

| Technical data – 5/3-way valves      |             |                   |     |             |  |
|--------------------------------------|-------------|-------------------|-----|-------------|--|
| Order code for valves                |             | P53C              |     | P53U        |  |
| Normal position/mid-position         |             | Closed            |     | Pressurised |  |
| Stable position                      |             | Monostable        |     | Exhausted   |  |
| Reset method                         |             | Mechanical spring |     |             |  |
| Switching times in [ms]              | On          | 13                | 14  | 14          |  |
|                                      | Off         | 42                | 48  | 48          |  |
|                                      | Change over | 26                | 25  | 25          |  |
| Product weight without solenoid coil | [g]         | 324               | 324 | 324         |  |
| Product weight with solenoid coil    | [g]         | 430               | 430 | 430         |  |

| Safety data                           |     |                                                                                  |
|---------------------------------------|-----|----------------------------------------------------------------------------------|
| Max. positive test pulse with logic 0 | [s] | 2000 (valves with VACF-B-...-1)                                                  |
| Max. negative test pulse with logic 1 | [s] | 3600 (valves with VACF-B-...-1)                                                  |
| Shock resistance                      |     | Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27                |
| Vibration resistance                  |     | Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 |



## Technical data

| Operating and environmental conditions            |                                                                                            |              |            |            |
|---------------------------------------------------|--------------------------------------------------------------------------------------------|--------------|------------|------------|
| Order code for valves                             | M32                                                                                        | M52          | B52        | P53        |
| Operating medium                                  | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |              |            |            |
| Pilot medium                                      | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |              |            |            |
| Note on operating/pilot medium                    | Lubricated operation possible (in which case lubricated operation will always be required) |              |            |            |
| Operating pressure with internal pilot air supply | [MPa]                                                                                      | 0.25 ... 1   | 0.15 ... 1 | 0.25 ... 1 |
|                                                   | [bar]                                                                                      | 2.5 ... 10   | 1.5 ... 10 | 2.5 ... 10 |
| Operating pressure with external pilot air supply | [MPa]                                                                                      | −0.09 ... +1 |            |            |
|                                                   | [bar]                                                                                      | −0.9 ... +10 |            |            |
| Pilot pressure                                    | [MPa]                                                                                      | 0.25 ... 1   | 0.15 ... 1 | 0.25 ... 1 |
|                                                   | [bar]                                                                                      | 2.5 ... 10   | 1.5 ... 10 | 2.5 ... 10 |
| Ambient temperature                               | [°C]                                                                                       | −10 ... +60  |            |            |
| Temperature of medium                             | [°C]                                                                                       | −10 ... +60  |            |            |
| Certification                                     | c UL us - Recognized (OL)                                                                  |              |            |            |
| Maritime classification <sup>1)</sup>             | See certificate (for VUVS-...-F8 and VUVS-...-F8-...-B2 only)                              |              |            |            |
| Corrosion resistance class CRC <sup>2)</sup>      | 2                                                                                          |              |            |            |

1) Additional information is available at [www.festo.com/catalogue/...](http://www.festo.com/catalogue/...) → Support/Downloads.

2) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

| Electrical data                  |        |                                                                        |                                       |
|----------------------------------|--------|------------------------------------------------------------------------|---------------------------------------|
|                                  |        | With solenoid coil                                                     | Without solenoid coil                 |
| Electrical connection            |        | Plug type C to EN 175301-803, plug type B to industry standard (11 mm) | Via solenoid coil<br>→ Internet: vacf |
| Operating voltage                | [V DC] | 12, and 24 ±10%                                                        |                                       |
|                                  | [V AC] | 24, 110, 120, 230, 240 ±10%                                            |                                       |
| Permissible voltage fluctuations | [%]    | 10                                                                     |                                       |
| Power (24 V DC)                  | [W]    | 3.3                                                                    |                                       |
| Duty cycle                       | [%]    | 100                                                                    |                                       |
| Degree of protection to EN 60529 |        | IP65 with plug socket                                                  |                                       |

| Materials         |                         |
|-------------------|-------------------------|
| Housing           | Die-cast aluminium      |
| Seals             | HNBR, NBR               |
| Piston spool      | Wrought aluminium alloy |
| Screws            | Galvanised steel        |
| Note on materials | RoHS-compliant          |

Technical data

**Dimensions**

3/2-way valves, with solenoid coil

Download CAD data → [www.festo.com](http://www.festo.com)

3/2-way valves, without solenoid coil

The technical drawings show three views of the solenoid valve: a top view, a side view, and a front view. Dimensions are indicated with leader lines and labeled with letters and numbers. Callouts 1 through 7 point to specific features: 1. Solenoid coil interface type B/type C, 2. Space for inscription label, 3. Port 10/12 for pilot air supply, 4. Port 82 for pilot exhaust air, 5. For screw M4, 6. Port 10/12 for pilot air supply, 7. For screw M4.

[1] Solenoid coil interface type B/  
type C

[2] Space for inscription label

[3] Port 10/12 for pilot air supply

[4] Port 82 for pilot exhaust air

[5] For screw M4

[6] Port 10/12 for pilot air supply

[7] For screw M4

| Type                        | B1   | B2   | B3  | B4  | B5  | B6 | D1   | D3 | D4 | D5<br>ø | H1   | H2   | H3 | H4   | H5   |
|-----------------------------|------|------|-----|-----|-----|----|------|----|----|---------|------|------|----|------|------|
| VUVS-L25-M32.....D-G14-...  | 26.5 | 20.2 | –   | 1.9 | 1.9 | 22 | G1/4 | –  | M5 | 8       | 50.5 | 28.2 | 8  | 57.2 | 45.2 |
| VUVS-L25-M32.....ZD-G14-... |      |      | 4.5 |     |     |    |      | M5 |    |         |      |      |    |      |      |

| Type                        | L2    | L4    | L5    | L6   | L7   | L8 | L9   | L11  | L12  | L14  | L15  | L16 | L17  | L19  |
|-----------------------------|-------|-------|-------|------|------|----|------|------|------|------|------|-----|------|------|
| VUVS-L25-M32.....D-G14-...  | 129.2 | 128.1 | 123.8 | 94.8 | 53.3 | 25 | 34.4 | 33.3 | –    | 65.8 | 41.3 | 13  | 50.4 | 59.3 |
| VUVS-L25-M32.....ZD-G14-... |       |       |       |      |      |    |      |      | 20.3 |      |      |     |      |      |

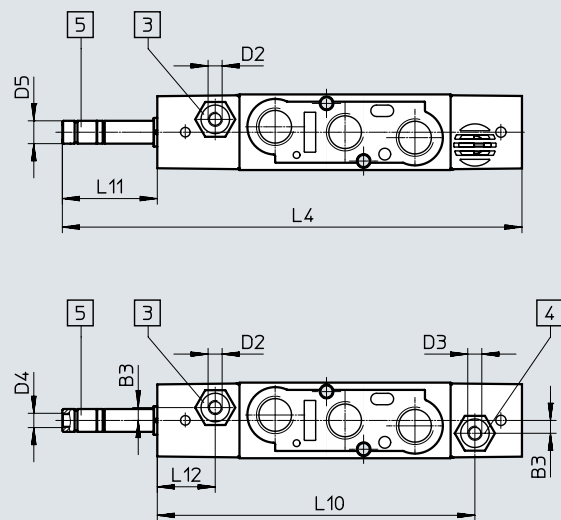
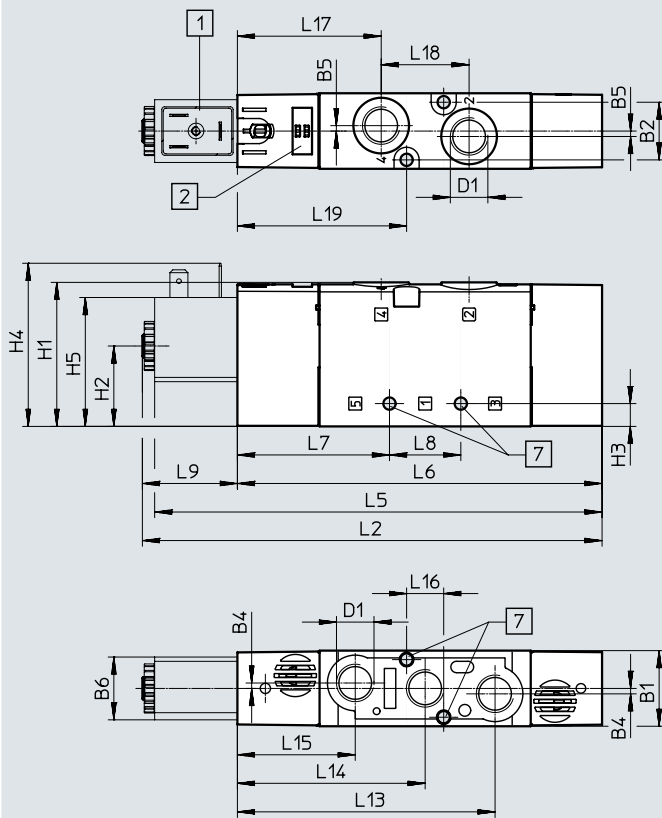
## Technical data

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

5/2-way single solenoid valves, with solenoid coil

5/2-way single solenoid valves, without solenoid coil

[1] Solenoid coil interface type B/  
type C[3] Port 14 for pilot air supply  
[4] Port 12 for pilot air supply

[5] Port 84 for pilot exhaust air

[7] For screw M4

[2] Space for inscription label

| Type                       | B1   | B2   | B3  | B4  | B5  | B6 | D1   | D2 | D3 | D4 | D5<br>Ø | H1   | H2   | H3 | H4   | H5   |
|----------------------------|------|------|-----|-----|-----|----|------|----|----|----|---------|------|------|----|------|------|
| VUVS-L25-M52-...D-G14-...  | 26.5 | 20.2 | –   | 1.9 | 1.9 | 22 | G1/4 | –  | –  | M5 | 8       | 50.5 | 28.2 | 8  | 57.2 | 45.2 |
| VUVS-L25-M52-...ZD-G14-... |      |      | 4.5 |     |     |    |      | M5 | M5 |    |         |      |      |    |      |      |

| Type                       | L2    | L4    | L5    | L6    | L7   | L8 | L9   | L10   | L11  | L12  | L13  | L14  | L15  | L16 | L17  | L18  | L19  |
|----------------------------|-------|-------|-------|-------|------|----|------|-------|------|------|------|------|------|-----|------|------|------|
| VUVS-L25-M52-...D-G14-...  | 162.2 | 161.1 | 156.8 | 127.8 | 53.3 | 25 | 34.4 | –     | 33.3 | –    | 90.3 | 65.8 | 41.3 | 13  | 50.4 | 30.8 | 59.3 |
| VUVS-L25-M52-...ZD-G14-... |       |       |       |       |      |    |      | 111.3 |      | 20.3 |      |      |      |     |      |      |      |

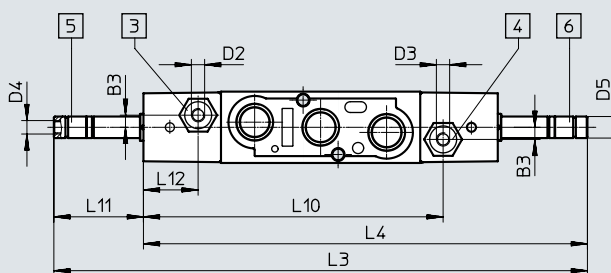
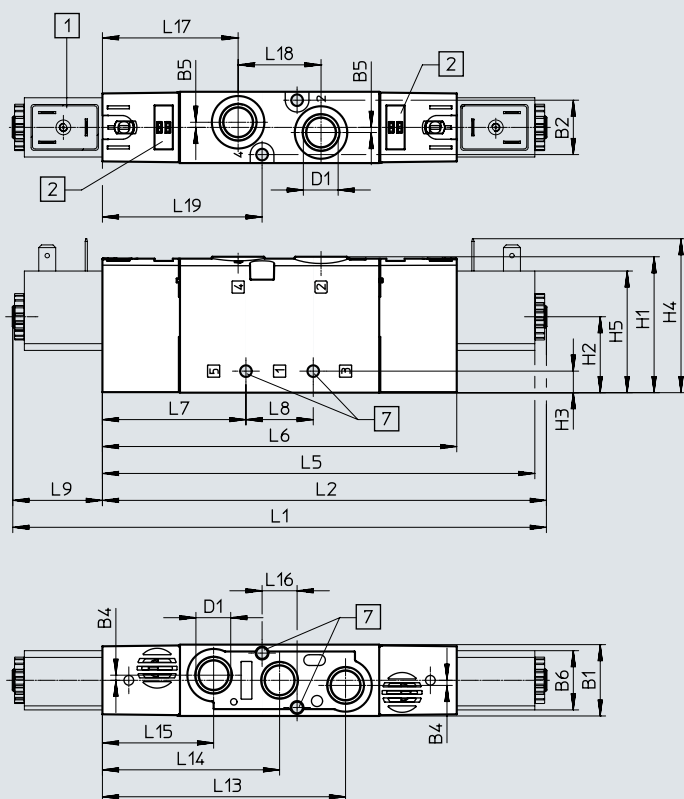
## Technical data

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

5/3-way valves and 5/2-way double solenoid valves, with solenoid coil

5/3-way valves and 5/2-way double solenoid valves, without solenoid coil

[1] Solenoid coil interface type B/  
type C[3] Port 14 for pilot air supply  
[4] Port 12 for pilot air supply[5] Port 84 for pilot exhaust air  
[6] Port 82 for pilot exhaust air

[7] For screw M4

[2] Space for inscription label

| Type                        | B1   | B2   | B3  | B4  | B5  | B6 | D1   | D2 | D3 | D4 | D5<br>Ø | H1   |
|-----------------------------|------|------|-----|-----|-----|----|------|----|----|----|---------|------|
| VUVS-L25-P53...-MD-G14-...  | 26.5 | 20.2 | –   | 1.9 | 1.9 | 22 | G1/4 | –  | –  | M5 | 8       | 50.5 |
| VUVS-L25-P53...-MZD-G14-... |      |      | 4.5 |     |     |    |      | M5 | M5 |    |         |      |
| VUVS-L25-B52-D-G14-...      |      |      | –   |     |     |    |      | –  | –  |    |         |      |
| VUVS-L25-B52-ZD-G14-...     |      |      | 4.5 |     |     |    |      | M5 | M5 |    |         |      |

| Type                        | H2   | H3 | H4   | H5   | L1    | L2  | L3    | L4    | L5    | L6    | L7   | L8 |
|-----------------------------|------|----|------|------|-------|-----|-------|-------|-------|-------|------|----|
| VUVS-L25-P53...-MD-G14-...  | 28.2 | 8  | 57.2 | 45.2 | 200.3 | 166 | 198.2 | 164.9 | 160.6 | 131.6 | 53.3 | 25 |
| VUVS-L25-P53...-MZD-G14-... |      |    |      |      |       |     |       |       |       |       |      |    |
| VUVS-L25-B52-D-G14-...      |      |    |      |      |       |     |       |       |       |       |      |    |
| VUVS-L25-B52-ZD-G14-...     |      |    |      |      |       |     |       |       |       |       |      |    |

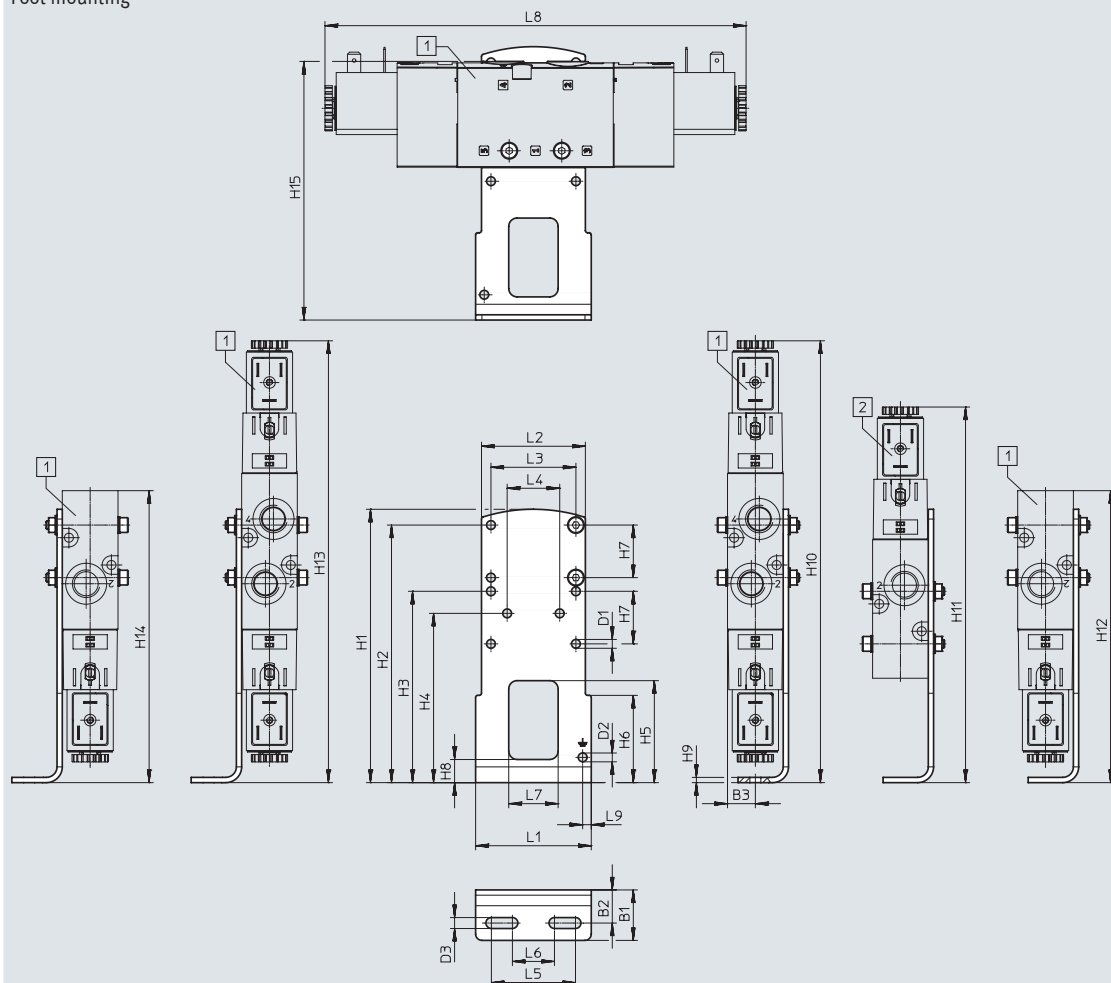
| Type                        | L9   | L10   | L11  | L12  | L13  | L14  | L15  | L16 | L17  | L18  | L19  |
|-----------------------------|------|-------|------|------|------|------|------|-----|------|------|------|
| VUVS-L25-P53...-MD-G14-...  | 33.3 | –     | 33.3 | –    | 90.3 | 65.8 | 41.3 | 13  | 50.4 | 30.8 | 59.3 |
| VUVS-L25-P53...-MZD-G14-... |      | 111.3 |      | 20.3 |      |      |      |     |      |      |      |
| VUVS-L25-B52-D-G14-...      |      | –     |      | –    |      |      |      |     |      |      |      |
| VUVS-L25-B52-ZD-G14-...     |      | 111.3 |      | 20.3 |      |      |      |     |      |      |      |

## Accessories

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

## Foot mounting



[1] VUVS-L25-B52,  
VUVS-L25-P53,  
VUVS-L25-M52,  
VUVS-L25-M32

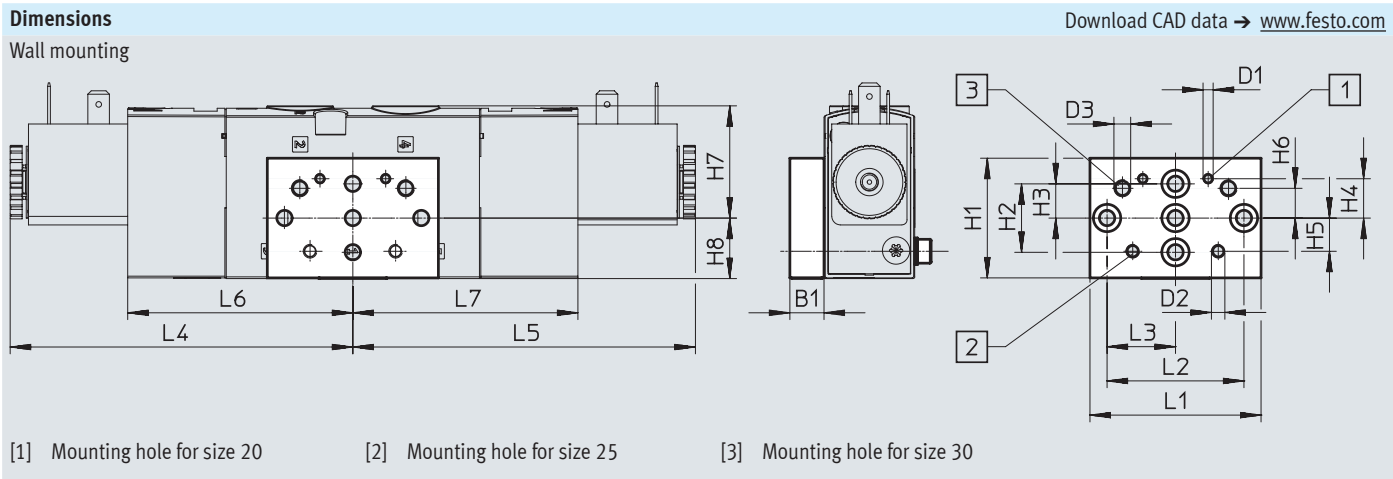
[2] VUVS-L25-M52,  
VUVS-L25-M32

| Type          |                  | B1 | B2   | B3   | D1<br>Ø | D2<br>Ø | D3  | H1  | H2    | H3 | H4   |
|---------------|------------------|----|------|------|---------|---------|-----|-----|-------|----|------|
| VAME-B10-25-A | VUVS-L25-B52/P53 | 24 | 15.8 | 13.3 | 4.2     | 4.2     | 5.2 | 130 | 122.5 | 91 | 80.5 |
|               | VUVS-L25-M52     |    |      |      |         |         |     |     |       |    |      |
|               | VUVS-L25-M32     |    |      |      |         |         |     |     |       |    |      |

| Type          |                  | H5   | H6   | H7 | H8 | H9  | H10   | H11   | H12   | H13   | H14   |
|---------------|------------------|------|------|----|----|-----|-------|-------|-------|-------|-------|
| VAME-B10-25-A | VUVS-L25-B52/P53 | 48.5 | 41.5 | 25 | 11 | 2.5 | 210.2 | –     | 210.2 | 210.2 | 210.2 |
|               | VUVS-L25-M52     |      |      |    |    |     |       | 178.7 | 172   |       | 172   |
|               | VUVS-L25-M32     |      |      |    |    |     |       | 138.9 | 138.9 |       | 138.9 |

| Type          |                  | H15 | L1 | L2   | L3   | L4 | L5 | L6 | L7   | L8    | L9  |
|---------------|------------------|-----|----|------|------|----|----|----|------|-------|-----|
| VAME-B10-25-A | VUVS-L25-B52/P53 | 123 | 55 | 49.4 | 40.4 | 25 | 40 | 20 | 23.5 | 200.3 | 4.1 |
|               | VUVS-L25-M52     |     |    |      |      |    |    |    |      | 162.2 |     |
|               | VUVS-L25-M32     |     |    |      |      |    |    |    |      | 129   |     |

Accessories

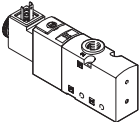
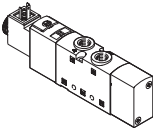
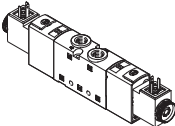
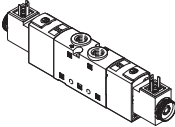


| Type          |                  | B1 | D1 | D2 | D3 | H1 | H2 | H3 | H4   | H5  | H6  |
|---------------|------------------|----|----|----|----|----|----|----|------|-----|-----|
| VAME-B10-20-W | VUVS-L25-B52/P53 | 10 | M3 | M4 | M5 | 35 | 20 | 10 | 11.5 | 9.7 | 8.7 |
|               | VUVS-L25-M52     |    |    |    |    |    |    |    |      |     |     |
|               | VUVS-L25-M32     |    |    |    |    |    |    |    |      |     |     |

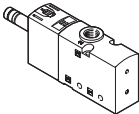
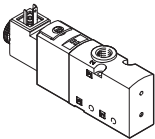
| Type          |                  | H7   | H8   | L1 | L2 | L3 | L4    | L5    | L6   | L7   |
|---------------|------------------|------|------|----|----|----|-------|-------|------|------|
| VAME-B10-20-W | VUVS-L25-B52/P53 | 32.8 | 17.7 | 50 | 40 | 20 | 100.2 | 100.2 | 65.8 | 65.8 |
|               | VUVS-L25-M52     |      |      |    |    |    |       | 62    |      | -    |
|               | VUVS-L25-M32     |      |      |    |    |    |       | 28.9  |      |      |

## Accessories

## ★ Core product range

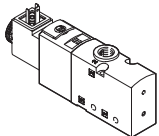
| Ordering data                                                                       |                                          |                                                                                             |          |                             |
|-------------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------------------------|----------|-----------------------------|
|                                                                                     | Code                                     | Valve function                                                                              | Part no. | Type                        |
| 3/2-way valve with solenoid coil (24 V DC)                                          |                                          |                                                                                             |          |                             |
|    | Single solenoid, normally closed, type C |                                                                                             |          |                             |
|                                                                                     | M32C-A                                   | Reset via pneumatic spring,<br>internal pilot air supply,<br>flow direction not reversible  | ★ 575475 | VUVS-L25-M32C-AD-G14-F8-1C1 |
|                                                                                     | M32C-M                                   | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | ★ 575477 | VUVS-L25-M32C-MD-G14-F8-1C1 |
| 5/2-way valve with solenoid coil (24 V DC)                                          |                                          |                                                                                             |          |                             |
|    | Single solenoid, type C                  |                                                                                             |          |                             |
|                                                                                     | M52-A                                    | Reset via pneumatic spring,<br>internal pilot air supply,<br>flow direction not reversible  | ★ 575503 | VUVS-L25-M52-AD-G14-F8-1C1  |
|                                                                                     | M52-M                                    | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | ★ 575511 | VUVS-L25-M52-MD-G14-F8-1C1  |
|    | Double solenoid, type C                  |                                                                                             |          |                             |
|                                                                                     | B52                                      | Internal pilot air supply,<br>flow direction not reversible                                 | ★ 575518 | VUVS-L25-B52-D-G14-F8-1C1   |
| 5/3-way valve with solenoid coil (24 V DC)                                          |                                          |                                                                                             |          |                             |
|  | Mid-position closed, type C              |                                                                                             |          |                             |
|                                                                                     | P53C                                     | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | ★ 575525 | VUVS-L25-P53C-MD-G14-F8-1C1 |

## Accessories

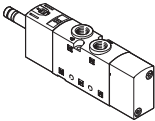
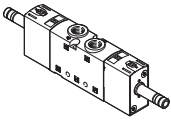
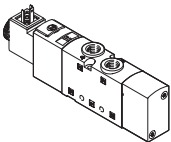
| Ordering data                                                                      |                                          |                                                                                             |          |                              |
|------------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------------------------|----------|------------------------------|
|                                                                                    | Code                                     | Valve function                                                                              | Part no. | Type                         |
| 3/2-way valve without solenoid coil                                                |                                          |                                                                                             |          |                              |
|    | Single solenoid, normally closed         |                                                                                             |          |                              |
|                                                                                    | M32C-A                                   | Reset via pneumatic spring,<br>internal pilot air supply,<br>flow direction not reversible  | 575471   | VUVS-L25-M32C-AD-G14-F8      |
|                                                                                    |                                          | Reset via pneumatic spring,<br>external pilot air supply,<br>flow direction reversible      | 575472   | VUVS-L25-M32C-AZD-G14-F8     |
|                                                                                    | M32C-M                                   | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575473   | VUVS-L25-M32C-MD-G14-F8      |
|                                                                                    |                                          | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575474   | VUVS-L25-M32C-MZD-G14-F8     |
|                                                                                    | Single solenoid, normally open           |                                                                                             |          |                              |
|                                                                                    | M32U-A                                   | Reset via pneumatic spring,<br>internal pilot air supply,<br>flow direction not reversible  | 575486   | VUVS-L25-M32U-AD-G14-F8      |
|                                                                                    |                                          | Reset via pneumatic spring,<br>external pilot air supply,<br>flow direction reversible      | 575487   | VUVS-L25-M32U-AZD-G14-F8     |
|                                                                                    | M32U-M                                   | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575488   | VUVS-L25-M32U-MD-G14-F8      |
|                                                                                    |                                          | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575489   | VUVS-L25-M32U-MZD-G14-F8     |
| 3/2-way valve with solenoid coil (24 V DC)                                         |                                          |                                                                                             |          |                              |
|  | Single solenoid, normally closed, type C |                                                                                             |          |                              |
|                                                                                    | M32C-A                                   | Reset via pneumatic spring,<br>external pilot air supply,<br>flow direction reversible      | 575476   | VUVS-L25-M32C-AZD-G14-F8-1C1 |
|                                                                                    | M32C-M                                   | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575478   | VUVS-L25-M32C-MZD-G14-F8-1C1 |
|                                                                                    | Single solenoid, normally closed, type B |                                                                                             |          |                              |
|                                                                                    | M32C-A                                   | Reset via pneumatic spring,<br>internal pilot air supply,<br>flow direction not reversible  | 575479   | VUVS-L25-M32C-AD-G14-F8-1B2  |
|                                                                                    |                                          | Reset via pneumatic spring,<br>external pilot air supply,<br>flow direction reversible      | 575480   | VUVS-L25-M32C-AZD-G14-F8-1B2 |
|                                                                                    | M32C-M                                   | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575481   | VUVS-L25-M32C-MD-G14-F8-1B2  |
|                                                                                    |                                          | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575482   | VUVS-L25-M32C-MZD-G14-F8-1B2 |



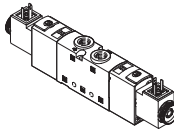
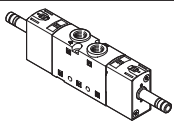
## Accessories

| Ordering data                                                                     |                                        |                                                                                             |          |                              |
|-----------------------------------------------------------------------------------|----------------------------------------|---------------------------------------------------------------------------------------------|----------|------------------------------|
|                                                                                   | Code                                   | Valve function                                                                              | Part no. | Type                         |
| 3/2-way valve with solenoid coil (24 V DC)                                        |                                        |                                                                                             |          |                              |
|  | Single solenoid, normally open, type C |                                                                                             |          |                              |
|                                                                                   | M32U-A                                 | Reset via pneumatic spring,<br>internal pilot air supply,<br>flow direction not reversible  | 575490   | VUVS-L25-M32U-AD-G14-F8-1C1  |
|                                                                                   | M32U-A                                 | Reset via pneumatic spring,<br>external pilot air supply,<br>flow direction reversible      | 575491   | VUVS-L25-M32U-AZD-G14-F8-1C1 |
|                                                                                   | M32U-M                                 | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575492   | VUVS-L25-M32U-MD-G14-F8-1C1  |
|                                                                                   | M32U-M                                 | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575493   | VUVS-L25-M32U-MZD-G14-F8-1C1 |
|                                                                                   | Single solenoid, normally open, type B |                                                                                             |          |                              |
|                                                                                   | M32U-A                                 | Reset via pneumatic spring,<br>internal pilot air supply,<br>flow direction not reversible  | 575494   | VUVS-L25-M32U-AD-G14-F8-1B2  |
|                                                                                   |                                        | Reset via pneumatic spring,<br>external pilot air supply,<br>flow direction reversible      | 575495   | VUVS-L25-M32U-AZD-G14-F8-1B2 |
|                                                                                   | M32U-M                                 | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575496   | VUVS-L25-M32U-MD-G14-F8-1B2  |
|                                                                                   |                                        | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575497   | VUVS-L25-M32U-MZD-G14-F8-1B2 |

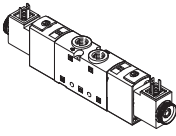
## Accessories

| Ordering data                                                                           |                         | Code                                                                                        | Valve function          | Part no.                    | Type |
|-----------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------|-------------------------|-----------------------------|------|
| 5/2-way valve without solenoid coil                                                     |                         |                                                                                             |                         |                             |      |
|         | Single solenoid         |                                                                                             |                         |                             |      |
|                                                                                         | M52-A                   | Reset via pneumatic spring,<br>internal pilot air supply,<br>flow direction not reversible  | 575501                  | VUVS-L25-M52-AD-G14-F8      |      |
|                                                                                         |                         | Reset via pneumatic spring,<br>external pilot air supply,<br>flow direction reversible      | 575502                  | VUVS-L25-M52-AZD-G14-F8     |      |
|                                                                                         | M52-M                   | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575509                  | VUVS-L25-M52-MD-G14-F8      |      |
| Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible |                         | 575510                                                                                      | VUVS-L25-M52-MZD-G14-F8 |                             |      |
|         | Double solenoid         |                                                                                             |                         |                             |      |
|                                                                                         | B52                     | Internal pilot air supply,<br>flow direction not reversible                                 | 575516                  | VUVS-L25-B52-D-G14-F8       |      |
|                                                                                         |                         | External pilot air supply,<br>flow direction reversible                                     | 575517                  | VUVS-L25-B52-ZD-G14-F8      |      |
| 5/2-way valve with solenoid coil (24 V DC)                                              |                         |                                                                                             |                         |                             |      |
|        | Single solenoid, type C |                                                                                             |                         |                             |      |
|                                                                                         | M52-A                   | Reset via pneumatic spring,<br>external pilot air supply,<br>flow direction reversible      | 575504                  | VUVS-L25-M52-AZD-G14-F8-1C1 |      |
|                                                                                         | M52-M                   | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575512                  | VUVS-L25-M52-MZD-G14-F8-1C1 |      |
|                                                                                         | Single solenoid, type B |                                                                                             |                         |                             |      |
|                                                                                         | M52-A                   | Reset via pneumatic spring,<br>internal pilot air supply,<br>flow direction not reversible  | 575505                  | VUVS-L25-M52-AD-G14-F8-1B2  |      |
|                                                                                         |                         | Reset via pneumatic spring,<br>external pilot air supply,<br>flow direction reversible      | 575506                  | VUVS-L25-M52-AZD-G14-F8-1B2 |      |
|                                                                                         | M52-M                   | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575513                  | VUVS-L25-M52-MD-G14-F8-1B2  |      |
|                                                                                         |                         | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575514                  | VUVS-L25-M52-MZD-G14-F8-1B2 |      |

## Accessories

| Ordering data                                                                     |                          |                                                                                             |          |                            |
|-----------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------------------------|----------|----------------------------|
|                                                                                   | Code                     | Valve function                                                                              | Part no. | Type                       |
| 5/2-way valve with solenoid coil (24 V DC)                                        |                          |                                                                                             |          |                            |
|  | Double solenoid, type C  |                                                                                             |          |                            |
|                                                                                   | B52                      | External pilot air supply,<br>flow direction reversible                                     | 575519   | VUVS-L25-B52-ZD-G14-F8-1C1 |
|                                                                                   | Double solenoid, type B  |                                                                                             |          |                            |
|                                                                                   | B52                      | Internal pilot air supply,<br>flow direction not reversible                                 | 575520   | VUVS-L25-B52-D-G14-F8-1B2  |
|                                                                                   |                          | External pilot air supply,<br>flow direction reversible                                     | 575521   | VUVS-L25-B52-ZD-G14-F8-1B2 |
| 5/3-way valve without solenoid coil                                               |                          |                                                                                             |          |                            |
|  | Mid-position closed      |                                                                                             |          |                            |
|                                                                                   | P53C                     | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575523   | VUVS-L25-P53C-MD-G14-F8    |
|                                                                                   |                          | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575524   | VUVS-L25-P53C-MZD-G14-F8   |
|                                                                                   | Mid-position exhausted   |                                                                                             |          |                            |
|                                                                                   | P53E                     | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575537   | VUVS-L25-P53E-MD-G14-F8    |
|                                                                                   |                          | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575538   | VUVS-L25-P53E-MZD-G14-F8   |
|                                                                                   | Mid-position pressurised |                                                                                             |          |                            |
|                                                                                   | P53U                     | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575530   | VUVS-L25-P53U-MD-G14-F8    |
|                                                                                   |                          | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575531   | VUVS-L25-P53U-MZD-G14-F8   |

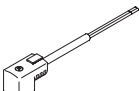
## Accessories

| Ordering data                                                                    |                                  |                                                                                             |          |                              |
|----------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------|----------|------------------------------|
|                                                                                  | Code                             | Valve function                                                                              | Part no. | Type                         |
| 5/3-way valve with solenoid coil (24 V DC)                                       |                                  |                                                                                             |          |                              |
|  | Mid-position closed, type C      |                                                                                             |          |                              |
|                                                                                  | P53C                             | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575526   | VUVS-L25-P53C-MZD-G14-F8-1C1 |
|                                                                                  | Mid-position exhausted, type C   |                                                                                             |          |                              |
|                                                                                  | P53E                             | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575539   | VUVS-L25-P53E-MD-G14-F8-1C1  |
|                                                                                  |                                  | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575540   | VUVS-L25-P53E-MZD-G14-F8-1C1 |
|                                                                                  | Mid-position pressurised, type C |                                                                                             |          |                              |
|                                                                                  | P53U                             | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575532   | VUVS-L25-P53U-MD-G14-F8-1C1  |
|                                                                                  |                                  | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575533   | VUVS-L25-P53U-MZD-G14-F8-1C1 |
|                                                                                  | Mid-position closed, type B      |                                                                                             |          |                              |
|                                                                                  | P53C                             | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575527   | VUVS-L25-P53C-MD-G14-F8-1B2  |
|                                                                                  |                                  | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575528   | VUVS-L25-P53C-MZD-G14-F8-1B2 |
|                                                                                  | Mid-position exhausted, type B   |                                                                                             |          |                              |
|                                                                                  | P53E                             | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575541   | VUVS-L25-P53E-MD-G14-F8-1B2  |
|                                                                                  |                                  | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575542   | VUVS-L25-P53E-MZD-G14-F8-1B2 |
|                                                                                  | Mid-position pressurised, type B |                                                                                             |          |                              |
|                                                                                  | P53U                             | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575534   | VUVS-L25-P53U-MD-G14-F8-1B2  |
|                                                                                  |                                  | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575535   | VUVS-L25-P53U-MZD-G14-F8-1B2 |

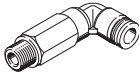
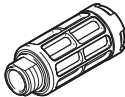
## Accessories

| Ordering data                                                                     |                                                        | Description           |                 | Part no.      | Type |
|-----------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------|-----------------|---------------|------|
| Solenoid coils for valves                                                         |                                                        |                       |                 |               |      |
|  | Plug pattern type C, to DIN EN 175301-803              | 12 V DC               | 8030810         | VACF-B-C1-5   |      |
|                                                                                   |                                                        | 24 V DC               | 8030811         | VACF-B-C1-1   |      |
|                                                                                   |                                                        | 48 V DC               | 8030812         | VACF-B-C1-7   |      |
|                                                                                   |                                                        | 24 V AC/50-60 Hz      | 8030813         | VACF-B-C1-1A  |      |
|                                                                                   |                                                        | 48 V AC/50-60 Hz      | 8030814         | VACF-B-C1-7A  |      |
|                                                                                   |                                                        | 110/120 V AC/50-60 Hz | 8030815         | VACF-B-C1-16B |      |
|                                                                                   |                                                        | 230/240 V AC/50-60 Hz | 8030817         | VACF-B-C1-3W  |      |
|                                                                                   | Plug pattern type B, industry standard                 | 12 V DC               | 8030801         | VACF-B-B2-5   |      |
|                                                                                   |                                                        | 24 V DC               | 8030802         | VACF-B-B2-1   |      |
|                                                                                   |                                                        | 48 V DC               | 8030803         | VACF-B-B2-7   |      |
|                                                                                   |                                                        | 24 V AC/50-60 Hz      | 8030804         | VACF-B-B2-1A  |      |
|                                                                                   |                                                        | 48 V AC/50-60 Hz      | 8030805         | VACF-B-B2-7A  |      |
|                                                                                   |                                                        | 110/120 V AC/50-60 Hz | 8030806         | VACF-B-B2-16B |      |
|                                                                                   |                                                        | 230/240 V AC/50-60 Hz | 8030808         | VACF-B-B2-3W  |      |
| Seal set for solenoid coil                                                        |                                                        |                       |                 |               |      |
|  | Plug pattern type C to guarantee protection class IP67 | 2643771               | VAMC-B10-C-B-S8 |               |      |
|                                                                                   | Plug pattern type B to guarantee protection class IP67 | 8034609               | VAMC-B10-B-B-S8 |               |      |
| Cover cap                                                                         |                                                        |                       |                 |               |      |
|  | For manual override, non-detenting or covered          | 8028240               | VAMC-B10-20-CH2 |               |      |

## Accessories

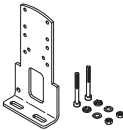
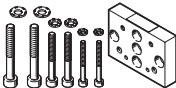
| Ordering data                                                                      |                                                 |                                      | Description       |        |                 | Part no.                | Type |
|------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------|-------------------|--------|-----------------|-------------------------|------|
| Plug socket                                                                        |                                                 |                                      |                   |        |                 |                         |      |
|    | Plug pattern type C, to DIN EN 175301-803       |                                      |                   |        |                 |                         |      |
|                                                                                    | 3-pin, screw terminal                           | Cable connector M12                  | 0 ... 250 V AC/DC | IP65   | 539712          | MSSD-EB-M12             |      |
|                                                                                    |                                                 | Cable connector Pg7                  |                   |        | ★ 151687        | MSSD-EB                 |      |
|                                                                                    | 4-pin, insulation displacement connector        | Cable connector M14                  | 0 ... 250 V AC/DC | IP67   | 192745          | MSSD-EB-S-M14           |      |
|                                                                                    | Angled plug, 3-pin                              | Cable connector M12                  | 0 ... 24 V DC     | IP65   | 570367          | MSSD-EB-M12-24VDC-SD-EX |      |
|                                                                                    | Plug pattern type B, industry standard          |                                      |                   |        |                 |                         |      |
|                                                                                    | 3-pin, screw terminal                           | Cable connector M16                  | 0 ... 250 V AC/DC | IP65   | 539710          | MSSD-F-M16              |      |
| Cable connector Pg9                                                                |                                                 | ★ 34431                              |                   |        | MSSD-F          |                         |      |
| 3-pin, insulation displacement connector                                           | –                                               | 0 ... 250 V AC/DC                    | IP67              | 192746 | MSSD-F-S-M16    |                         |      |
| Adapter                                                                            |                                                 |                                      |                   |        |                 |                         |      |
|    | Socket type C, to EN 175301-803                 | Plug connector M12x1, 2-pin, A-coded | 12 ... 24 V AC/DC | IP65   | 188024          | MSSD-EB-M12-MONO        |      |
| Plug socket with cable                                                             |                                                 |                                      |                   |        |                 |                         |      |
|    | Plug pattern type C, to DIN EN 175301-803       |                                      |                   |        |                 |                         |      |
|                                                                                    | Angled socket, 3-pin<br>Cable, open end, 3-wire | 24 V DC                              | LED               | 2.5 m  | ★ 151688        | KMEB-1-24-2,5-LED       |      |
|                                                                                    |                                                 |                                      |                   | 5 m    | 151689          | KMEB-1-24-5-LED         |      |
|                                                                                    |                                                 |                                      |                   | 10 m   | 193457          | KMEB-1-24-10-LED        |      |
|                                                                                    |                                                 | 230 V AC                             | –                 | 2.5 m  | 151690          | KMEB-1-230AC-2,5        |      |
|                                                                                    |                                                 |                                      |                   | 5 m    | 151691          | KMEB-1-230AC-5          |      |
|                                                                                    | Plug pattern type B, industry standard          |                                      |                   |        |                 |                         |      |
|                                                                                    | Angled socket, 3-pin<br>Cable, open end, 3-wire | 24 V DC                              | LED               | 2.5 m  | ★ 30935         | KMF-1-24DC-2,5-LED      |      |
|                                                                                    |                                                 |                                      |                   | 5 m    | 30937           | KMF-1-24DC-5-LED        |      |
|                                                                                    |                                                 |                                      |                   | 10 m   | 193458          | KMF-1-24-10-LED         |      |
| 230 V AC                                                                           |                                                 | –                                    | 2.5 m             | 30936  | KMF-1-230AC-2,5 |                         |      |
|                                                                                    |                                                 |                                      | 5 m               | 30938  | KMF-1-230AC-5   |                         |      |
| Illuminating seal                                                                  |                                                 |                                      |                   |        |                 |                         |      |
|  | Plug pattern type C, to DIN EN 175301-803       | 24 V DC                              |                   |        | 151717          | MEB-LD-12-24DC          |      |
|                                                                                    |                                                 | 230 V AC                             |                   |        | 151718          | MEB-LD-230AC            |      |
|                                                                                    | Plug pattern type B, industry standard          | 24 V DC                              |                   |        | 19143           | MF-LD-12-24DC           |      |
|                                                                                    |                                                 | 230 V AC                             |                   |        | 19144           | MF-LD-230AC             |      |

## Accessories

| Ordering data                                                                       |                                                 | Description | Part no.  | Type           | PU <sup>1)</sup> |
|-------------------------------------------------------------------------------------|-------------------------------------------------|-------------|-----------|----------------|------------------|
| Push-in fitting with internal hex                                                   |                                                 |             |           |                |                  |
|    | Connecting thread M5 for tubing O.D.            | 4 mm        | ★ 153315  | QSM-M5-4-I     | 10               |
|                                                                                     | Connecting thread G1/4 for tubing O.D.          | 6 mm        | ★ 186108  | QS-G1/4-6-I    | 10               |
|                                                                                     |                                                 | 8 mm        | ★ 186110  | QS-G1/4-8-I    | 10               |
|                                                                                     |                                                 | 10 mm       | ★ 186112  | QS-G1/4-10-I   | 10               |
| Angled push-in fitting with external hex                                            |                                                 |             |           |                |                  |
|    | Connecting thread G1/4 for tubing O.D.          | 6 mm        | ★ 186118  | QSL-G1/4-6     | 10               |
|                                                                                     |                                                 |             | 132051    | QSL-G1/4-6-100 | 100              |
|                                                                                     |                                                 | 8 mm        | ★ 186120  | QSL-G1/4-8     | 10               |
|                                                                                     |                                                 |             | 132052    | QSL-G1/4-8-50  | 50               |
|                                                                                     |                                                 | 10 mm       | ★ 186122  | QSL-G1/4-10    | 10               |
|                                                                                     |                                                 |             | 132053    | QSL-G1/4-10-50 | 50               |
| Angled push-in fitting, long, with external hex                                     |                                                 |             |           |                |                  |
|    | Connecting thread G1/4 for tubing O.D.          | 6 mm        | 186129    | QSL-G1/4-6     | 10               |
|                                                                                     |                                                 | 8 mm        | 186131    | QSL-G1/4-8     | 10               |
|                                                                                     |                                                 | 10 mm       | 186133    | QSL-G1/4-10    | 10               |
| Silencer                                                                            |                                                 |             |           |                |                  |
|    | With connecting thread G, polymer design        | G1/4        | ★ 2316    | U-1/4          | 1                |
|                                                                                     |                                                 |             | 534223    | U-1/4-20       | 20               |
|   | With connecting thread G, metal design          | G1/4        | 6842      | U-1/4-B        | 1                |
|  | With connecting thread G, sintered design, long | G1/4        | ★ 1205861 | AMTE-M-LH-G14  | 20               |

1) Packaging unit

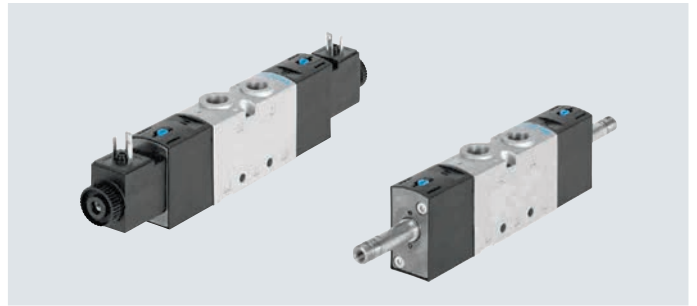
## Accessories

| Ordering data                                                                      |                                                             | Description                                | Weight<br>[g] | Part no. | Type            |
|------------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|---------------|----------|-----------------|
| Foot mounting                                                                      |                                                             |                                            |               |          |                 |
|    | With screw set for attaching the valve to the foot mounting |                                            | 130           | 2293485  | VAME-B10-25-A   |
| Wall mounting                                                                      |                                                             |                                            |               |          |                 |
|    | With screw set for attaching the valve to the wall mounting |                                            | 53            | 576413   | VAME-B10-20-W   |
| Assortment of spare parts                                                          |                                                             |                                            |               |          |                 |
|    | Set comprising seals and screws                             |                                            | 12            | 8035636  | VAME-B10-25-MK  |
| Inscription label                                                                  |                                                             |                                            |               |          |                 |
|    | 40 pieces in frame                                          |                                            | –             | 565306   | ASLR-C-E4       |
| Mounting kit                                                                       |                                                             |                                            |               |          |                 |
|  | With mounting bracket for lateral valve mounting            | For standards-based cylinder DSBC-50...125 | 160           | 2612128  | DAVM-MW-V1-50-V |



## Technical data

-  - Flow rate  
up to 2300 l/min
-  - Valve width  
31 mm
-  - Voltage  
12, 24 V DC  
24, 110, 120, 230, 240 V AC



| General technical data                 |  |                                                 |      |               |      |               |      |      |
|----------------------------------------|--|-------------------------------------------------|------|---------------|------|---------------|------|------|
| Valve function                         |  | 3/2-way valve                                   |      | 5/2-way valve |      | 5/3-way valve |      |      |
| Order code for valves                  |  | M32C                                            | M32U | M52           | B52  | P53C          | P53U | P53E |
| Valve width [mm]                       |  | 31                                              |      |               |      |               |      |      |
| Nominal width Diameter [mm]            |  | 9.4                                             |      |               |      | 8.9           | 8.1  |      |
| Design                                 |  | Piston spool                                    |      |               |      |               |      |      |
| Flow direction                         |  | Reversible with external pilot air supply       |      |               |      |               |      |      |
| Pilot air supply                       |  | Internal or external                            |      |               |      |               |      |      |
| Type of control                        |  | Piloted                                         |      |               |      |               |      |      |
| Manual override                        |  | Non-detenting, detenting                        |      |               |      |               |      |      |
| Overlap                                |  | Positive overlap                                |      |               |      |               |      |      |
| Sealing principle                      |  | Soft                                            |      |               |      |               |      |      |
| Type of mounting                       |  | Optionally via through-hole or on manifold rail |      |               |      |               |      |      |
| Standard nominal flow rate qnN [l/min] |  | 2300                                            | 2300 | 2300          |      | 2000          | 1600 | 1600 |
| Actuation type                         |  | Electric                                        |      |               |      |               |      |      |
| Mounting position                      |  | Any                                             |      |               |      |               |      |      |
| Exhaust air function                   |  | Can be throttled                                |      |               |      |               |      |      |
| Pneumatic connection 1, 2, 3           |  | G3/8                                            | G3/8 | G3/8          | G3/8 | G3/8          | G3/8 | G3/8 |
| 4, 5                                   |  | –                                               | –    | G3/8          | G3/8 | G3/8          | G3/8 | G3/8 |
| Pilot air port 12/14                   |  | G1/8                                            |      |               |      |               |      |      |
| Pilot exhaust air port 82/84           |  | M5                                              |      |               |      |               |      |      |

| ATEX                                                          |                                             |
|---------------------------------------------------------------|---------------------------------------------|
| Type                                                          | VUVS-L-...-EX2                              |
| ATEX category for gas                                         | II 3G                                       |
| Type of ignition protection for gas                           | Ex ec IICT4 Gc X                            |
| ATEX category for dust                                        | II 3D                                       |
| Type of ignition protection for dust                          | Ex tc IIIC T115°C Dc X                      |
| Explosion-proof ambient temperature [°C]                      | –10°C ≤ Ta ≤ +60°C                          |
| CE marking<br>(see declaration of conformity) <sup>1)</sup>   | To EU Explosion Protection Directive (ATEX) |
| UKCA marking<br>(see declaration of conformity) <sup>1)</sup> | To UK EX instructions                       |
| Explosion protection certification outside the EU             | EPL Dc (GB)                                 |
|                                                               | EPL Gc (GB)                                 |

<sup>1)</sup> For information about the area of use, see the EC declaration of conformity at: [www.festo.com/catalogue/...](http://www.festo.com/catalogue/...) → Support/Downloads.

If the devices are subject to usage restrictions in residential, commercial or light-industrial environments, further measures for the reduction of the emitted interference may be necessary.

## Technical data

| Technical data – 3/2-way valves      |             |                  |                   |                  |                   |
|--------------------------------------|-------------|------------------|-------------------|------------------|-------------------|
| Order code for valves                |             | M32C             |                   | M32U             |                   |
| Normal position                      |             | Closed           |                   | Open             |                   |
| Stable position                      |             | Monostable       |                   | Monostable       |                   |
| Reset method                         |             | Pneumatic spring | Mechanical spring | Pneumatic spring | Mechanical spring |
| Switching times in [ms]              | On          | 19               | 16                | 19               | 15                |
|                                      | Off         | 36               | 58                | 37               | 57                |
|                                      | Change over | –                | –                 | –                | –                 |
| Product weight without solenoid coil | [g]         | 354              | 354               | 354              | 354               |
| Product weight with solenoid coil    | [g]         | 405              | 405               | 405              | 405               |

| Technical data – 5/2-way valves      |             |                  |                   |          |  |
|--------------------------------------|-------------|------------------|-------------------|----------|--|
| Order code for valves                |             | M52              |                   | B52      |  |
| Normal position                      |             | –                |                   | –        |  |
| Stable position                      |             | Monostable       |                   | Bistable |  |
| Reset method                         |             | Pneumatic spring | Mechanical spring | –        |  |
| Switching times in [ms]              | On          | 24               | 17                | –        |  |
|                                      | Off         | 49               | 62                | –        |  |
|                                      | Change over | –                | –                 | 13       |  |
| Product weight without solenoid coil | [g]         | 450              | 450               | 464      |  |
| Product weight with solenoid coil    | [g]         | 500              | 500               | 565      |  |

| Technical data – 5/3-way valves      |             |                   |     |             |  |
|--------------------------------------|-------------|-------------------|-----|-------------|--|
| Order code for valves                |             | P53C              |     | P53U        |  |
| Normal position/mid-position         |             | Closed            |     | Pressurised |  |
| Stable position                      |             | Monostable        |     | Exhausted   |  |
| Reset method                         |             | Mechanical spring |     |             |  |
| Switching times in [ms]              | On          | 17                | 18  | 20          |  |
|                                      | Off         | 76                | 75  | 74          |  |
|                                      | Change over | 39                | 31  | 36          |  |
| Product weight without solenoid coil | [g]         | 461               | 461 | 461         |  |
| Product weight with solenoid coil    | [g]         | 562               | 562 | 562         |  |

| Safety data                           |     |                                                                                  |
|---------------------------------------|-----|----------------------------------------------------------------------------------|
| Max. positive test pulse with logic 0 | [s] | 2000 (valves with VACF-B-...-1)                                                  |
| Max. negative test pulse with logic 1 | [s] | 3600 (valves with VACF-B-...-1)                                                  |
| Shock resistance                      |     | Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27                |
| Vibration resistance                  |     | Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 |

## Technical data

| Operating and environmental conditions            |                                                                                            |              |            |            |
|---------------------------------------------------|--------------------------------------------------------------------------------------------|--------------|------------|------------|
| Order code for valves                             | M32                                                                                        | M52          | B52        | P53        |
| Operating medium                                  | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |              |            |            |
| Pilot medium                                      | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |              |            |            |
| Note on operating/pilot medium                    | Lubricated operation possible (in which case lubricated operation will always be required) |              |            |            |
| Operating pressure with internal pilot air supply | [MPa]                                                                                      | 0.25 ... 1   | 0.15 ... 1 | 0.25 ... 1 |
|                                                   | [bar]                                                                                      | 2.5 ... 10   | 1.5 ... 10 | 2.5 ... 10 |
| Operating pressure with external pilot air supply | [MPa]                                                                                      | −0.09 ... +1 |            |            |
|                                                   | [bar]                                                                                      | −0.9 ... +10 |            |            |
| Pilot pressure                                    | [MPa]                                                                                      | 0.25 ... 1   | 0.15 ... 1 | 0.25 ... 1 |
|                                                   | [bar]                                                                                      | 2.5 ... 10   | 1.5 ... 10 | 2.5 ... 10 |
| Ambient temperature                               | [°C]                                                                                       | −10 ... +60  |            |            |
| Temperature of medium                             | [°C]                                                                                       | −10 ... +60  |            |            |
| Certification                                     | c UL us - Recognized (OL)                                                                  |              |            |            |
| Maritime classification <sup>1)</sup>             | See certificate (for VUVS-...-F8, VUVS-...-F8-...-A1 and VUVS-...-F8-...-B2 only)          |              |            |            |
| Corrosion resistance class CRC <sup>2)</sup>      | 2                                                                                          |              |            |            |

1) Additional information is available at [www.festo.com/catalogue/...](http://www.festo.com/catalogue/...) → Support/Downloads.

2) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

| Electrical data                  |        |                                                                        |                                       |
|----------------------------------|--------|------------------------------------------------------------------------|---------------------------------------|
|                                  |        | With solenoid coil                                                     | Without solenoid coil                 |
| Electrical connection            |        | Plug type C to EN 175301-803, plug type B to industry standard (11 mm) | Via solenoid coil<br>→ Internet: vacf |
| Operating voltage                | [V DC] | 12, and 24 ±10%                                                        |                                       |
|                                  | [V AC] | 24, 110, 120, 230, 240 ±10%                                            |                                       |
| Permissible voltage fluctuations | [%]    | 10                                                                     |                                       |
| Power (24 V DC)                  | [W]    | 3.3                                                                    |                                       |
| Duty cycle                       | [%]    | 100                                                                    |                                       |
| Degree of protection to EN 60529 |        | IP65 with plug socket                                                  |                                       |

| Materials         |                         |
|-------------------|-------------------------|
| Housing           | Die-cast aluminium      |
| Seals             | HNBR, NBR               |
| Piston spool      | Wrought aluminium alloy |
| Screws            | Nickel-plated steel     |
| Note on materials | RoHS-compliant          |

Technical data

**Dimensions**

3/2-way valves, with solenoid coil

3/2-way valves, without solenoid coil

Download CAD data → [www.festo.com](http://www.festo.com)

[1] Solenoid coil interface type B/  
type C

[2] Space for inscription label

[4] Port 10/12 for pilot air supply

[6] Port 82 for pilot exhaust air

[7] For screw M5

| Type                       | B1 | B2   | B3  | B4  | B5  | D1   | D3   | D4 | D5 | H1 | H2   | H3 | H4   | H5   |
|----------------------------|----|------|-----|-----|-----|------|------|----|----|----|------|----|------|------|
| VUVS-L30-M32...-D-G38-...  | 31 | 23.3 | –   | 2.5 | 2.5 | G3/8 | –    | M5 | 8  | 57 | 31.8 | 9  | 63.7 | 51.6 |
| VUVS-L30-M32...-ZD-G38-... |    |      | 4.6 |     |     |      | G1/8 |    |    |    |      |    |      |      |

| Type                       | L2    | L4    | L5    | L6    | L7   | L8 | L9   | L11  | L12  | L14  | L15  | L16 | L17 | L19  |
|----------------------------|-------|-------|-------|-------|------|----|------|------|------|------|------|-----|-----|------|
| VUVS-L30-M32...-D-G38-...  | 144.9 | 142.8 | 139.5 | 109.5 | 59.3 | 31 | 35.4 | 33.3 | –    | 74.8 | 44.8 | 17  | 56  | 66.3 |
| VUVS-L30-M32...-ZD-G38-... |       |       |       |       |      |    |      |      | 20.8 |      |      |     |     |      |

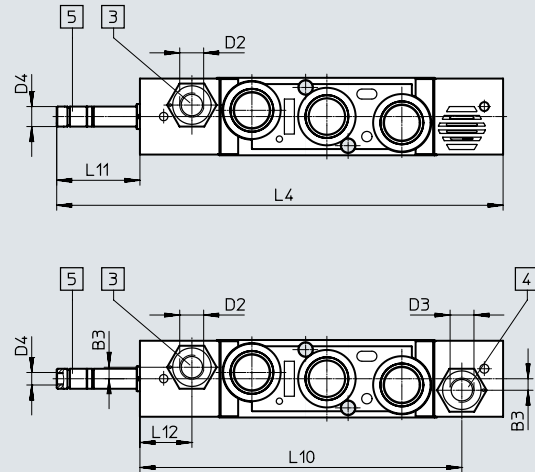
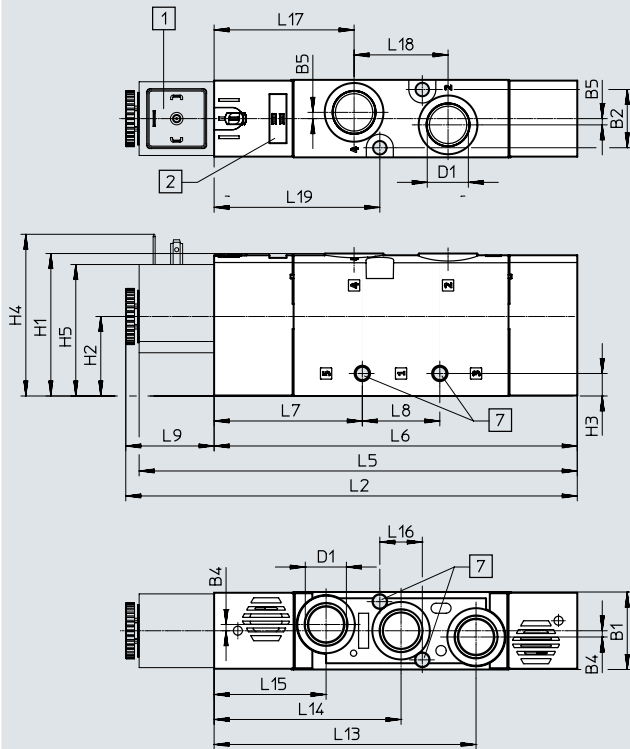
## Technical data

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

5/2-way single solenoid valves, with solenoid coil

5/2-way single solenoid valves, without solenoid coil

[1] Solenoid coil interface type B/  
type C[3] Port 14 for pilot air supply  
[4] Port 12 for pilot air supply

[5] Port 84 for pilot exhaust air

[7] For screw M5

[2] Space for inscription label

| Type                       | B1 | B2   | B3  | B4  | B5  | D1   | D2   | D3   | D4 | D5<br>Ø | H1 | H2   | H3 | H4   | H5   |
|----------------------------|----|------|-----|-----|-----|------|------|------|----|---------|----|------|----|------|------|
| VUVS-L30-M52-...D-G38-...  | 31 | 23.3 | –   | 2.5 | 2.5 | G3/8 | –    | –    | M5 | 8       | 57 | 31.8 | 9  | 63.7 | 51.6 |
| VUVS-L30-M52-...ZD-G38-... |    |      | 4.6 |     |     |      | G1/8 | G1/8 |    |         |    |      |    |      |      |

| Type                       | L2    | L4    | L5    | L6    | L7   | L8 | L9   | L10   | L11  | L12  | L13   | L14  | L15  | L16 | L17 | L18  | L19  |
|----------------------------|-------|-------|-------|-------|------|----|------|-------|------|------|-------|------|------|-----|-----|------|------|
| VUVS-L30-M52-...D-G38-...  | 180.7 | 178.6 | 179.6 | 145.3 | 59.3 | 31 | 35.4 | –     | 33.3 | –    | 104.8 | 74.8 | 44.8 | 17  | 56  | 37.6 | 66.3 |
| VUVS-L30-M52-...ZD-G38-... |       |       |       |       |      |    |      | 128.8 |      | 20.8 |       |      |      |     |     |      |      |

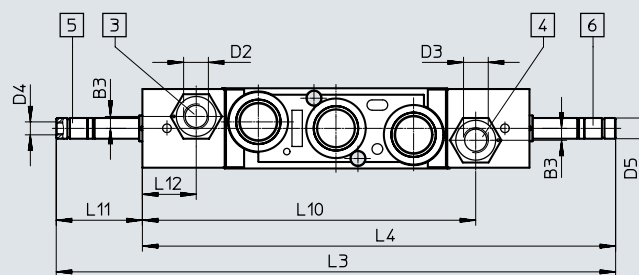
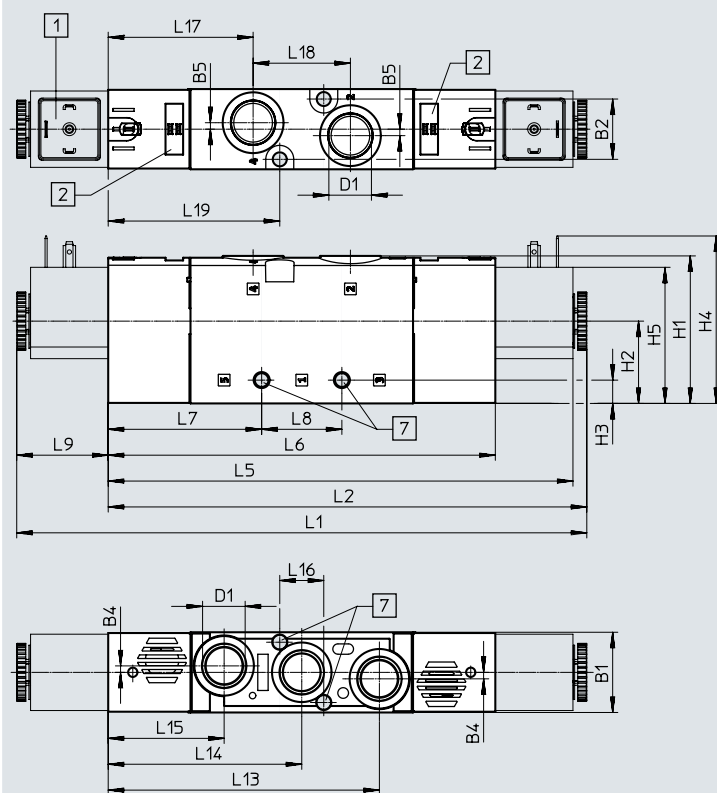
## Technical data

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

5/3-way valves and 5/2-way double solenoid valves, with solenoid coil

5/3-way valves and 5/2-way double solenoid valves, without solenoid coil



- [1] Solenoid coil interface type B/  
type C  
[2] Space for inscription label
- [3] Port 14 for pilot air supply  
[4] Port 12 for pilot air supply

- [5] Port 84 for pilot exhaust air  
[6] Port 82 for pilot exhaust air
- [7] For screw M5

| Type                        | B1 | B2   | B3  | B4  | B5  | D1   | D2   | D3   | D4 | D5<br>Ø | H1 | H2   | H3 | H4   | H5   |
|-----------------------------|----|------|-----|-----|-----|------|------|------|----|---------|----|------|----|------|------|
| VUVS-L30-P53...-MD-G38-...  | 31 | 23.3 | –   | 2.5 | 2.5 | G3/8 | –    | –    | M5 | 8       | 57 | 31.8 | 9  | 63.7 | 51.6 |
| VUVS-L30-P53...-MZD-G38-... |    |      | 4.6 |     |     |      | G1/8 | G1/8 |    |         |    |      |    |      |      |
| VUVS-L30-B52-D-G38-...      |    |      | –   |     |     |      | –    | –    |    |         |    |      |    |      |      |
| VUVS-L30-B52-ZD-G38-...     |    |      | 4.6 |     |     |      | G1/8 | G1/8 |    |         |    |      |    |      |      |

| Type                        | L1    | L2  | L3    | L4    | L5    | L6    | L7   | L8 | L9   | L10   |
|-----------------------------|-------|-----|-------|-------|-------|-------|------|----|------|-------|
| VUVS-L30-P53...-MD-G38-...  | 220.3 | 185 | 216.2 | 182.9 | 179.6 | 149.6 | 59.3 | 31 | 35.4 | –     |
| VUVS-L30-P53...-MZD-G38-... |       |     |       |       |       |       |      |    |      | 128.8 |
| VUVS-L30-B52-D-G38-...      |       |     |       |       |       |       |      |    |      | –     |
| VUVS-L30-B52-ZD-G38-...     |       |     |       |       |       |       |      |    |      | 128.8 |

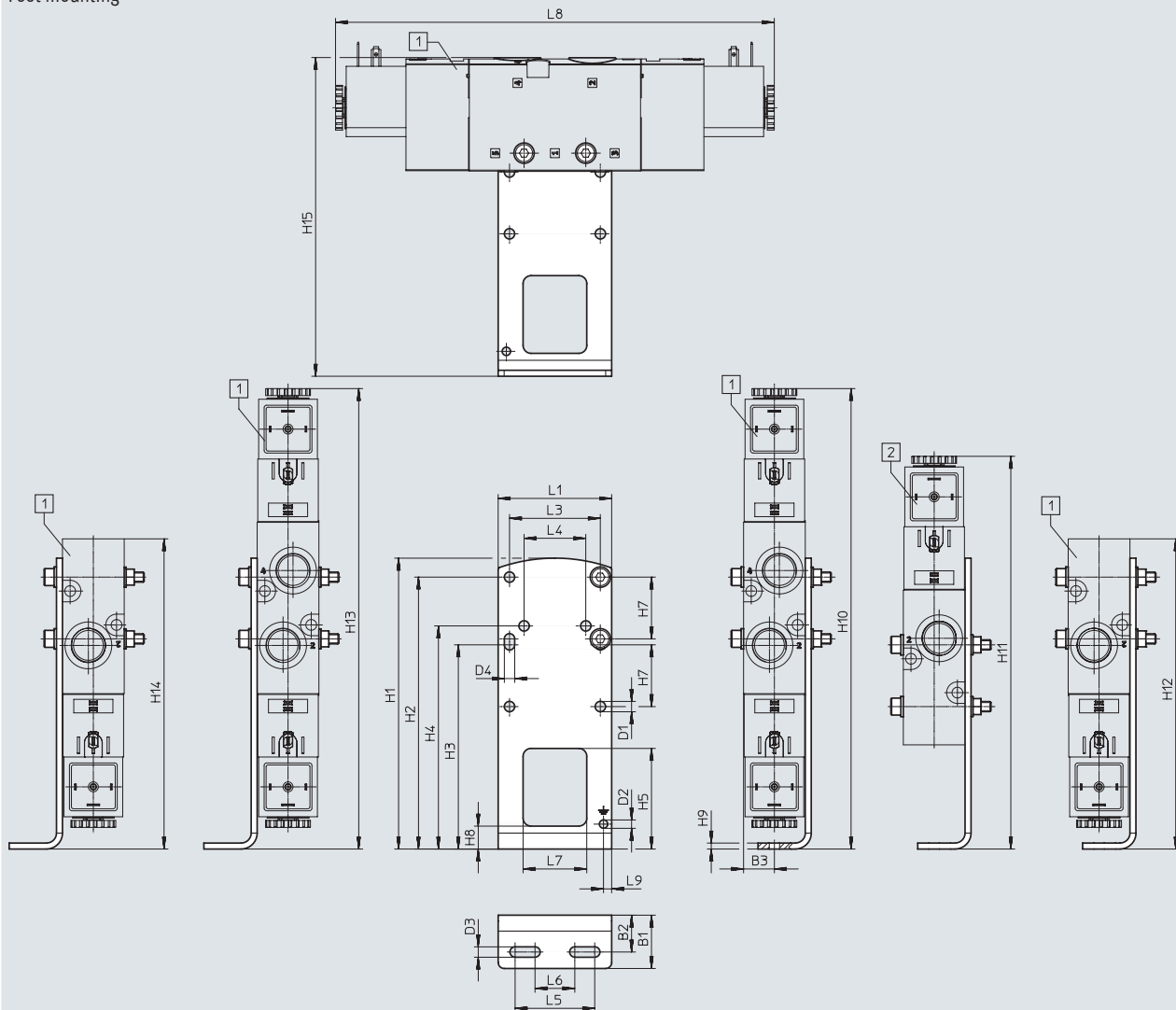
| Type                        | L11  | L12  | L13   | L14  | L15  | L16 | L17 | L18  | L19  |
|-----------------------------|------|------|-------|------|------|-----|-----|------|------|
| VUVS-L30-P53...-MD-G38-...  | 33.3 | –    | 104.8 | 74.8 | 44.8 | 17  | 56  | 37.6 | 66.3 |
| VUVS-L30-P53...-MZD-G38-... |      | 20.8 |       |      |      |     |     |      |      |
| VUVS-L30-B52-D-G38-...      |      | –    |       |      |      |     |     |      |      |
| VUVS-L30-B52-ZD-G38-...     |      | 20.8 |       |      |      |     |     |      |      |

## Accessories

## Dimensions

### Foot mounting

Download CAD data → [www.festo.com](http://www.festo.com)



[1] VUVS-L30-B52,  
VUVS-L30-P53,  
VUVS-L30-M52,  
VUVS-L30-M32

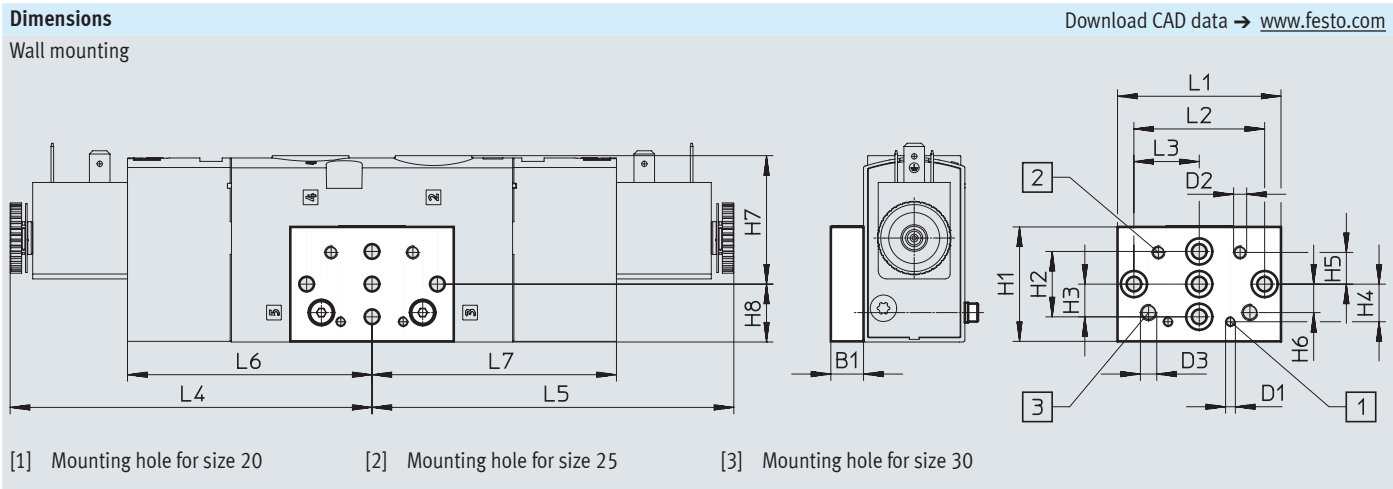
[2] VUVS-L30-M52,  
VUVS-L30-M32

| Type          |                  | B1   | B2   | B3   | D1<br>Ø | D2<br>Ø | D3  | D4  | H1  | H2    | H3    |
|---------------|------------------|------|------|------|---------|---------|-----|-----|-----|-------|-------|
| VAME-B10-30-A | VUVS-L30-B52/P53 | 26.8 | 18.5 | 15.5 | 5.2     | 4.2     | 5.2 | 5.2 | 146 | 136.5 | 102.5 |
|               | VUVS-L30-M52     |      |      |      |         |         |     |     |     |       |       |
|               | VUVS-L30-M32     |      |      |      |         |         |     |     |     |       |       |

| Type          |                  | H4  | H5   | H7 | H8   | H9 | H10   | H11   | H12   | H13   | H14   |
|---------------|------------------|-----|------|----|------|----|-------|-------|-------|-------|-------|
| VAME-B10-30-A | VUVS-L30-B52/P53 | 112 | 50.5 | 31 | 11.5 | 3  | 231.2 | –     | 231.2 | 231.2 | 231.2 |
|               | VUVS-L30-M52     |     |      |    |      |    |       | 197.2 | 191.5 |       | 191.5 |
|               | VUVS-L30-M32     |     |      |    |      |    |       |       | 155.7 |       | 155.7 |

| Type          |                  | H15 | L1 | L3   | L4 | L5 | L6 | L7 | L8    | L9  |
|---------------|------------------|-----|----|------|----|----|----|----|-------|-----|
| VAME-B10-30-A | VUVS-L30-B52/P53 | 160 | 57 | 45.6 | 31 | 40 | 20 | 32 | 220.3 | 4.1 |
|               | VUVS-L30-M52     |     |    |      |    |    |    |    | 180.7 |     |
|               | VUVS-L30-M32     |     |    |      |    |    |    |    | 144.9 |     |

Accessories



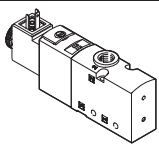
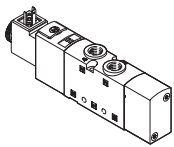
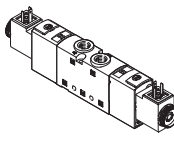
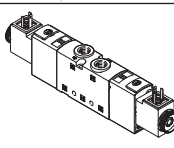
| Type          |                  | B1 | D1 | D2 | D3 | H1 | H2 | H3 | H4   | H5  | H6  |
|---------------|------------------|----|----|----|----|----|----|----|------|-----|-----|
| VAME-B10-20-W | VUVS-L30-B52/P53 | 10 | M3 | M4 | M5 | 35 | 20 | 10 | 11.5 | 9.7 | 8.7 |
|               | VUVS-L30-M52     |    |    |    |    |    |    |    |      |     |     |
|               | VUVS-L30-M32     |    |    |    |    |    |    |    |      |     |     |

| Type          |                  | H7   | H8   | L1 | L2 | L3 | L4    | L5    | L6   | L7   |
|---------------|------------------|------|------|----|----|----|-------|-------|------|------|
| VAME-B10-20-W | VUVS-L30-B52/P53 | 39.3 | 17.7 | 50 | 40 | 20 | 110.2 | 110.2 | 74.8 | 74.8 |
|               | VUVS-L30-M52     |      |      |    |    |    |       | 70.5  |      | -    |
|               | VUVS-L30-M32     |      |      |    |    |    |       | 34.7  |      | -    |

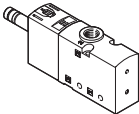
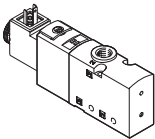


## Accessories

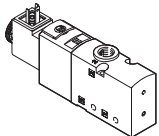
## ★ Core product range

| Ordering data                                                                       |                                          |                                                                                             |          |                             |
|-------------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------------------------|----------|-----------------------------|
|                                                                                     | Code                                     | Valve function                                                                              | Part no. | Type                        |
| 3/2-way valve with solenoid coil (24 V DC)                                          |                                          |                                                                                             |          |                             |
|    | Single solenoid, normally closed, type C |                                                                                             |          |                             |
|                                                                                     | M32C-A                                   | Reset via pneumatic spring,<br>internal pilot air supply,<br>flow direction not reversible  | ★ 575568 | VUVS-L30-M32C-AD-G38-F8-1C1 |
|                                                                                     | M32C-M                                   | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | ★ 575570 | VUVS-L30-M32C-MD-G38-F8-1C1 |
| 5/2-way valve with solenoid coil (24 V DC)                                          |                                          |                                                                                             |          |                             |
|    | Single solenoid, type C                  |                                                                                             |          |                             |
|                                                                                     | M52-A                                    | Reset via pneumatic spring,<br>internal pilot air supply,<br>flow direction not reversible  | ★ 575596 | VUVS-L30-M52-AD-G38-F8-1C1  |
|                                                                                     | M52-M                                    | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | ★ 575604 | VUVS-L30-M52-MD-G38-F8-1C1  |
|    | Double solenoid, type C                  |                                                                                             |          |                             |
|                                                                                     | B52                                      | Internal pilot air supply,<br>flow direction not reversible                                 | ★ 575611 | VUVS-L30-B52-D-G38-F8-1C1   |
| 5/3-way valve with solenoid coil (24 V DC)                                          |                                          |                                                                                             |          |                             |
|  | Mid-position closed, type C              |                                                                                             |          |                             |
|                                                                                     | P53C                                     | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | ★ 575618 | VUVS-L30-P53C-MD-G38-F8-1C1 |

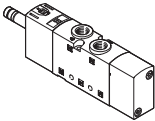
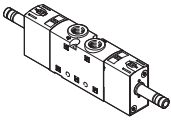
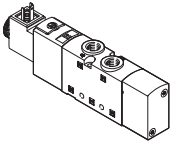
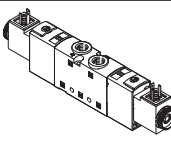
## Accessories

| Ordering data                                                                      |                                          |                                                                                             |          |                              |
|------------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------------------------|----------|------------------------------|
|                                                                                    | Code                                     | Valve function                                                                              | Part no. | Type                         |
| 3/2-way valve without solenoid coil                                                |                                          |                                                                                             |          |                              |
|    | Single solenoid, normally closed         |                                                                                             |          |                              |
|                                                                                    | M32C-A                                   | Reset via pneumatic spring,<br>internal pilot air supply,<br>flow direction not reversible  | 575564   | VUVS-L30-M32C-AD-G38-F8      |
|                                                                                    |                                          | Reset via pneumatic spring,<br>external pilot air supply,<br>flow direction reversible      | 575565   | VUVS-L30-M32C-AZD-G38-F8     |
|                                                                                    | M32C-M                                   | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575566   | VUVS-L30-M32C-MD-G38-F8      |
|                                                                                    |                                          | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575567   | VUVS-L30-M32C-MZD-G38-F8     |
|                                                                                    | Single solenoid, normally open           |                                                                                             |          |                              |
|                                                                                    | M32U-A                                   | Reset via pneumatic spring,<br>internal pilot air supply,<br>flow direction not reversible  | 575579   | VUVS-L30-M32U-AD-G38-F8      |
|                                                                                    |                                          | Reset via pneumatic spring,<br>external pilot air supply,<br>flow direction reversible      | 575580   | VUVS-L30-M32U-AZD-G38-F8     |
|                                                                                    | M32U-M                                   | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575581   | VUVS-L30-M32U-MD-G38-F8      |
|                                                                                    |                                          | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575582   | VUVS-L30-M32U-MZD-G38-F8     |
| 3/2-way valve with solenoid coil (24 V DC)                                         |                                          |                                                                                             |          |                              |
|  | Single solenoid, normally closed, type C |                                                                                             |          |                              |
|                                                                                    | M32C-A                                   | Reset via pneumatic spring,<br>external pilot air supply,<br>flow direction reversible      | 575569   | VUVS-L30-M32C-AZD-G38-F8-1C1 |
|                                                                                    | M32C-M                                   | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575571   | VUVS-L30-M32C-MZD-G38-F8-1C1 |
|                                                                                    | Single solenoid, normally closed, type B |                                                                                             |          |                              |
|                                                                                    | M32C-A                                   | Reset via pneumatic spring,<br>internal pilot air supply,<br>flow direction not reversible  | 575572   | VUVS-L30-M32C-AD-G38-F8-1B2  |
|                                                                                    |                                          | Reset via pneumatic spring,<br>external pilot air supply,<br>flow direction reversible      | 575573   | VUVS-L30-M32C-AZD-G38-F8-1B2 |
|                                                                                    | M32C-M                                   | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575574   | VUVS-L30-M32C-MD-G38-F8-1B2  |
|                                                                                    |                                          | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575575   | VUVS-L30-M32C-MZD-G38-F8-1B2 |

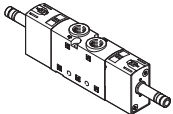
## Accessories

| Ordering data                                                                     |                                        |                                                                                             |          |                              |
|-----------------------------------------------------------------------------------|----------------------------------------|---------------------------------------------------------------------------------------------|----------|------------------------------|
|                                                                                   | Code                                   | Valve function                                                                              | Part no. | Type                         |
| 3/2-way valve with solenoid coil (24 V DC)                                        |                                        |                                                                                             |          |                              |
|  | Single solenoid, normally open, type C |                                                                                             |          |                              |
|                                                                                   | M32U-A                                 | Reset via pneumatic spring,<br>internal pilot air supply,<br>flow direction not reversible  | 575583   | VUVS-L30-M32U-AD-G38-F8-1C1  |
|                                                                                   | M32U-A                                 | Reset via pneumatic spring,<br>external pilot air supply,<br>flow direction reversible      | 575584   | VUVS-L30-M32U-AZD-G38-F8-1C1 |
|                                                                                   | M32U-M                                 | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575585   | VUVS-L30-M32U-MD-G38-F8-1C1  |
|                                                                                   | M32U-M                                 | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575586   | VUVS-L30-M32U-MZD-G38-F8-1C1 |
|                                                                                   | Single solenoid, normally open, type B |                                                                                             |          |                              |
|                                                                                   | M32U-A                                 | Reset via pneumatic spring,<br>internal pilot air supply,<br>flow direction not reversible  | 575587   | VUVS-L30-M32U-AD-G38-F8-1B2  |
|                                                                                   |                                        | Reset via pneumatic spring,<br>external pilot air supply,<br>flow direction reversible      | 575588   | VUVS-L30-M32U-AZD-G38-F8-1B2 |
|                                                                                   | M32U-M                                 | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575589   | VUVS-L30-M32U-MD-G38-F8-1B2  |
|                                                                                   |                                        | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575590   | VUVS-L30-M32U-MZD-G38-F8-1B2 |

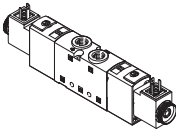
## Accessories

| Ordering data                                                                     |                                                                                    |                                                                                             |                                                         |                             |                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------|----------------------------|
|                                                                                   | Code                                                                               | Valve function                                                                              | Part no.                                                | Type                        |                            |
| 5/2-way valve without solenoid coil                                               |                                                                                    |                                                                                             |                                                         |                             |                            |
|   | Single solenoid                                                                    |                                                                                             |                                                         |                             |                            |
|                                                                                   | M52-A                                                                              | Reset via pneumatic spring,<br>internal pilot air supply,<br>flow direction not reversible  | 575594                                                  | VUVS-L30-M52-AD-G38-F8      |                            |
|                                                                                   |                                                                                    | Reset via pneumatic spring,<br>external pilot air supply,<br>flow direction reversible      | 575595                                                  | VUVS-L30-M52-AZD-G38-F8     |                            |
|                                                                                   | M52-M                                                                              | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575602                                                  | VUVS-L30-M52-MD-G38-F8      |                            |
|                                                                                   |                                                                                    | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575603                                                  | VUVS-L30-M52-MZD-G38-F8     |                            |
|                                                                                   |    | Double solenoid                                                                             |                                                         |                             |                            |
| B52                                                                               |                                                                                    | Internal pilot air supply,<br>flow direction not reversible                                 | 575609                                                  | VUVS-L30-B52-D-G38-F8       |                            |
|                                                                                   |                                                                                    | External pilot air supply,<br>flow direction reversible                                     | 575610                                                  | VUVS-L30-B52-ZD-G38-F8      |                            |
| 5/2-way valve with solenoid coil (24 V DC)                                        |                                                                                    |                                                                                             |                                                         |                             |                            |
|  | Single solenoid, type C                                                            |                                                                                             |                                                         |                             |                            |
|                                                                                   | M52-A                                                                              | Reset via pneumatic spring,<br>external pilot air supply,<br>flow direction reversible      | 575597                                                  | VUVS-L30-M52-AZD-G38-F8-1C1 |                            |
|                                                                                   | M52-M                                                                              | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575605                                                  | VUVS-L30-M52-MZD-G38-F8-1C1 |                            |
|                                                                                   | Single solenoid, type B                                                            |                                                                                             |                                                         |                             |                            |
|                                                                                   | M52-A                                                                              | Reset via pneumatic spring,<br>internal pilot air supply,<br>flow direction not reversible  | 575598                                                  | VUVS-L30-M52-AD-G38-F8-1B2  |                            |
|                                                                                   |                                                                                    | Reset via pneumatic spring,<br>external pilot air supply,<br>flow direction reversible      | 575599                                                  | VUVS-L30-M52-AZD-G38-F8-1B2 |                            |
|                                                                                   | M52-M                                                                              | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575606                                                  | VUVS-L30-M52-MD-G38-F8-1B2  |                            |
|                                                                                   |                                                                                    | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575607                                                  | VUVS-L30-M52-MZD-G38-F8-1B2 |                            |
|                                                                                   |  | Double solenoid, type C                                                                     |                                                         |                             |                            |
|                                                                                   |                                                                                    | B52                                                                                         | External pilot air supply,<br>flow direction reversible | 575612                      | VUVS-L30-B52-ZD-G38-F8-1C1 |
| Double solenoid, type B                                                           |                                                                                    |                                                                                             |                                                         |                             |                            |
| B52                                                                               |                                                                                    | Internal pilot air supply,<br>flow direction not reversible                                 | 575613                                                  | VUVS-L30-B52-D-G38-F8-1B2   |                            |
|                                                                                   |                                                                                    | External pilot air supply,<br>flow direction reversible                                     | 575614                                                  | VUVS-L30-B52-ZD-G38-F8-1B2  |                            |

## Accessories

| Ordering data                                                                     |                          | Code                                                                                        | Valve function | Part no.                 | Type |
|-----------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------------------------|----------------|--------------------------|------|
| 5/3-way valve without solenoid coil                                               |                          |                                                                                             |                |                          |      |
|  | Mid-position closed      |                                                                                             |                |                          |      |
|                                                                                   | P53C                     | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575616         | VUVS-L30-P53C-MD-G38-F8  |      |
|                                                                                   |                          | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575617         | VUVS-L30-P53C-MZD-G38-F8 |      |
|                                                                                   | Mid-position exhausted   |                                                                                             |                |                          |      |
|                                                                                   | P53E                     | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575630         | VUVS-L30-P53E-MD-G38-F8  |      |
|                                                                                   |                          | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575631         | VUVS-L30-P53E-MZD-G38-F8 |      |
|                                                                                   | Mid-position pressurised |                                                                                             |                |                          |      |
|                                                                                   | P53U                     | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575623         | VUVS-L30-P53U-MD-G38-F8  |      |
|                                                                                   |                          | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575624         | VUVS-L30-P53U-MZD-G38-F8 |      |

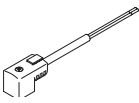
## Accessories

| Ordering data                                                                    |                                  |                                                                                             |          |                              |
|----------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------|----------|------------------------------|
|                                                                                  | Code                             | Valve function                                                                              | Part no. | Type                         |
| 5/3-way valve with solenoid coil (24 V DC)                                       |                                  |                                                                                             |          |                              |
|  | Mid-position closed, type C      |                                                                                             |          |                              |
|                                                                                  | P53C                             | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575619   | VUVS-L30-P53C-MZD-G38-F8-1C1 |
|                                                                                  | Mid-position exhausted, type C   |                                                                                             |          |                              |
|                                                                                  | P53E                             | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575632   | VUVS-L30-P53E-MD-G38-F8-1C1  |
|                                                                                  |                                  | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575633   | VUVS-L30-P53E-MZD-G38-F8-1C1 |
|                                                                                  | Mid-position pressurised, type C |                                                                                             |          |                              |
|                                                                                  | P53U                             | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575625   | VUVS-L30-P53U-MD-G38-F8-1C1  |
|                                                                                  |                                  | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575626   | VUVS-L30-P53U-MZD-G38-F8-1C1 |
|                                                                                  | Mid-position closed, type B      |                                                                                             |          |                              |
|                                                                                  | P53C                             | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575620   | VUVS-L30-P53C-MD-G38-F8-1B2  |
|                                                                                  |                                  | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575621   | VUVS-L30-P53C-MZD-G38-F8-1B2 |
|                                                                                  | Mid-position exhausted, type B   |                                                                                             |          |                              |
|                                                                                  | P53E                             | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575634   | VUVS-L30-P53E-MD-G38-F8-1B2  |
|                                                                                  |                                  | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575635   | VUVS-L30-P53E-MZD-G38-F8-1B2 |
|                                                                                  | Mid-position pressurised, type B |                                                                                             |          |                              |
|                                                                                  | P53U                             | Reset via mechanical spring,<br>internal pilot air supply,<br>flow direction not reversible | 575627   | VUVS-L30-P53U-MD-G38-F8-1B2  |
|                                                                                  |                                  | Reset via mechanical spring,<br>external pilot air supply,<br>flow direction reversible     | 575628   | VUVS-L30-P53U-MZD-G38-F8-1B2 |

## Accessories

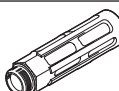
| Ordering data                                                                       |                                                        | Description           |                   | Part no. | Type                |               |
|-------------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------|-------------------|----------|---------------------|---------------|
| Solenoid coils for valves                                                           |                                                        |                       |                   |          |                     |               |
|    | Plug pattern type C, to DIN EN 175301-803              | 12 V DC               |                   | 8030810  | VACF-B-C1-5         |               |
|                                                                                     |                                                        | 24 V DC               |                   | 8030811  | VACF-B-C1-1         |               |
|                                                                                     |                                                        | 48 V DC               |                   | 8030812  | VACF-B-C1-7         |               |
|                                                                                     |                                                        | 24 V AC/50-60 Hz      |                   | 8030813  | VACF-B-C1-1A        |               |
|                                                                                     |                                                        | 48 V AC/50-60 Hz      |                   | 8030814  | VACF-B-C1-7A        |               |
|                                                                                     |                                                        | 110/120 V AC/50-60 Hz |                   | 8030815  | VACF-B-C1-16B       |               |
|                                                                                     |                                                        | 230/240 V AC/50-60 Hz |                   | 8030817  | VACF-B-C1-3W        |               |
|                                                                                     | Plug pattern type B, industry standard                 | 12 V DC               |                   | 8030801  | VACF-B-B2-5         |               |
|                                                                                     |                                                        | 24 V DC               |                   | 8030802  | VACF-B-B2-1         |               |
|                                                                                     |                                                        | 48 V DC               |                   | 8030803  | VACF-B-B2-7         |               |
|                                                                                     |                                                        | 24 V AC/50-60 Hz      |                   | 8030804  | VACF-B-B2-1A        |               |
|                                                                                     |                                                        | 48 V AC/50-60 Hz      |                   | 8030805  | VACF-B-B2-7A        |               |
|                                                                                     |                                                        | 110/120 V AC/50-60 Hz |                   | 8030806  | VACF-B-B2-16B       |               |
|                                                                                     |                                                        | 230/240 V AC/50-60 Hz |                   | 8030808  | VACF-B-B2-3W        |               |
|                                                                                     | Plug pattern type A, to EN 175301-803                  | 12 V DC               |                   | 8030821  | VACF-A-A1-5         |               |
|                                                                                     |                                                        | 24 V DC               |                   | 8030822  | VACF-A-A1-1         |               |
|                                                                                     |                                                        | 48 V DC               |                   | 8030823  | VACF-A-A1-7         |               |
|                                                                                     |                                                        | 24 V AC/50-60 Hz      |                   | 8030824  | VACF-A-A1-1A        |               |
|                                                                                     |                                                        | 48 V AC/50-60 Hz      |                   | 8030825  | VACF-A-A1-7A        |               |
|                                                                                     |                                                        | 110/120 V AC/50-60 Hz |                   | 8030826  | VACF-A-A1-16B       |               |
|                                                                                     |                                                        | 230/240 V AC/50-60 Hz |                   | 8030828  | VACF-A-A1-3W        |               |
|                                                                                     |                                                        |                       |                   |          |                     |               |
| Seal set for solenoid coil                                                          |                                                        |                       |                   |          |                     |               |
|   | Plug pattern type C to guarantee protection class IP67 |                       |                   | 2643771  | VAMC-B10-C-B-S8     |               |
|                                                                                     | Plug pattern type B to guarantee protection class IP67 |                       |                   | 8034609  | VAMC-B10-B-B-S8     |               |
|                                                                                     | Plug pattern type A to guarantee protection class IP67 |                       |                   | 8034611  | VAMC-B10-A-B-S8     |               |
|                                                                                     |                                                        |                       |                   |          |                     |               |
| Cover cap                                                                           |                                                        |                       |                   |          |                     |               |
|  | For manual override, non-detenting or covered          |                       |                   | 8028240  | VAMC-B10-20-CH2     |               |
|                                                                                     |                                                        |                       |                   |          |                     |               |
| Plug socket                                                                         |                                                        |                       |                   |          |                     |               |
|  | Plug pattern type C, to DIN EN 175301-803              |                       |                   |          |                     |               |
|                                                                                     | 3-pin, screw terminal                                  | Cable connector M12   | 0 ... 250 V AC/DC | IP65     | 539712              | MSSD-EB-M12   |
|                                                                                     |                                                        | Cable connector Pg7   |                   |          | ★ 151687            | MSSD-EB       |
|                                                                                     | 4-pin, insulation displacement connector               | Cable connector M14   | 0 ... 250 V AC/DC | IP67     | 192745              | MSSD-EB-S-M14 |
|                                                                                     |                                                        | 3-pin, angled socket  |                   |          | Cable connector M12 | 0 ... 24 V DC |
|                                                                                     | Plug pattern type B, industry standard                 |                       |                   |          |                     |               |
|                                                                                     | 3-pin, screw terminal                                  | Cable connector M16   | 0 ... 250 V AC/DC | IP65     | 539710              | MSSD-F-M16    |
|                                                                                     |                                                        | Cable connector Pg9   |                   |          | ★ 34431             | MSSD-F        |
|                                                                                     | 3-pin, insulation displacement connector               | –                     | 0 ... 250 V AC/DC | IP67     | 192746              | MSSD-F-S-M16  |
|                                                                                     |                                                        |                       |                   |          |                     |               |

## Accessories

| Ordering data                                                                      |                                                 | Description                               |                   |                                        | Part no. | Type               |
|------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------|-------------------|----------------------------------------|----------|--------------------|
| Plug socket                                                                        |                                                 |                                           |                   |                                        |          |                    |
|    | Plug pattern type A, to EN 175301-803           |                                           |                   |                                        |          |                    |
|                                                                                    | 3-pin, angled socket                            | Cable connector Pg9                       | 0 ... 250 V AC/DC | IP65                                   | 34583    | MSSD-C             |
|                                                                                    | 3-pin, angled socket                            | Cable connector M16                       | 0 ... 250 V AC/DC | IP65                                   | 539709   | MSSD-C-M16         |
|                                                                                    | 4-pin, angled socket                            | Cable connection, insulation displacement | 0 ... 250 V AC/DC | IP67                                   | 192748   | MSSD-C-S-M16       |
| Adapter                                                                            |                                                 |                                           |                   |                                        |          |                    |
|    | Socket type C, to EN 175301-803                 | Plug connector M12x1, 2-pin, A-coded      | 12 ... 24 V AC/DC | IP65                                   | 188024   | MSSD-EB-M12-MONO   |
| Plug socket with cable                                                             |                                                 |                                           |                   |                                        |          |                    |
|    | Plug pattern type C, to DIN EN 175301-803       |                                           |                   |                                        |          |                    |
|                                                                                    | Angled socket, 3-pin<br>Cable, open end, 3-wire | 24 V DC                                   | LED               | 2.5 m                                  | ★ 151688 | KMEB-1-24-2,5-LED  |
|                                                                                    |                                                 |                                           |                   | 5 m                                    | 151689   | KMEB-1-24-5-LED    |
|                                                                                    |                                                 |                                           |                   | 10 m                                   | 193457   | KMEB-1-24-10-LED   |
|                                                                                    |                                                 | 230 V AC                                  | –                 | 2.5 m                                  | 151690   | KMEB-1-230AC-2,5   |
|                                                                                    |                                                 |                                           |                   | 5 m                                    | 151691   | KMEB-1-230AC-5     |
|                                                                                    |                                                 |                                           |                   | Plug pattern type B, industry standard |          |                    |
|                                                                                    | Angled socket, 3-pin<br>Cable, open end, 3-wire | 24 V DC                                   | LED               | 2.5 m                                  | ★ 30935  | KMF-1-24DC-2,5-LED |
|                                                                                    |                                                 |                                           |                   | 5 m                                    | 30937    | KMF-1-24DC-5-LED   |
|                                                                                    |                                                 |                                           |                   | 10 m                                   | 193458   | KMF-1-24-10-LED    |
|                                                                                    |                                                 | 230 V AC                                  | –                 | 2.5 m                                  | 30936    | KMF-1-230AC-2,5    |
|                                                                                    |                                                 |                                           |                   | 5 m                                    | 30938    | KMF-1-230AC-5      |
|                                                                                    |                                                 |                                           |                   | Plug pattern type A, to EN 175301-803  |          |                    |
|                                                                                    | Angled socket, 3-pin<br>Cable, open end, 3-wire | 24 V DC                                   | LED               | 2.5 m                                  | 30931    | KMC-1-24DC-2.5-LED |
|                                                                                    |                                                 |                                           |                   | 5 m                                    | 30933    | KMC-1-24DC-5-LED   |
|                                                                                    |                                                 |                                           |                   | 10 m                                   | 193459   | KMC-1-24-10-LED    |
|                                                                                    |                                                 | 230 V AC                                  | –                 | 2.5 m                                  | 30932    | KMC-1-230AC-2,5    |
|                                                                                    |                                                 |                                           |                   | 5 m                                    | 30934    | KMC-1-230AC-5      |
| Illuminating seal                                                                  |                                                 |                                           |                   |                                        |          |                    |
|  | Plug pattern type C, to DIN EN 175301-803       | 24 V DC                                   |                   |                                        | 151717   | MEB-LD-12-24DC     |
|                                                                                    |                                                 | 230 V AC                                  |                   |                                        | 151718   | MEB-LD-230AC       |
|                                                                                    | Plug pattern type B, industry standard          | 24 V DC                                   |                   |                                        | 19143    | MF-LD-12-24DC      |
|                                                                                    |                                                 | 230 V AC                                  |                   |                                        | 19144    | MF-LD-230AC        |

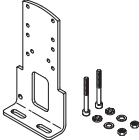
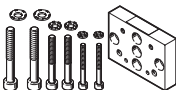
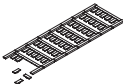


## Accessories

| Ordering data                                                                      |                                                 | Description    |           | Part no.        | Type | PU <sup>1)</sup> |
|------------------------------------------------------------------------------------|-------------------------------------------------|----------------|-----------|-----------------|------|------------------|
| Push-in fitting with internal hex                                                  |                                                 |                |           |                 |      |                  |
|   | Connecting thread G1/8 for tubing O.D.          | 4 mm           | ★ 186106  | QS-G1/8-4-I     | 10   |                  |
|                                                                                    |                                                 |                | 133008    | QS-G1/8-4-I-100 | 100  |                  |
|                                                                                    | Connecting thread G3/8 for tubing O.D.          | 8 mm           | ★ 186111  | QS-G3/8-8-I     | 10   |                  |
|                                                                                    |                                                 | 10 mm          | ★ 186113  | QS-G3/8-10-I    | 10   |                  |
|                                                                                    |                                                 | 12 mm          | ★ 186114  | QS-G3/8-12-I    | 10   |                  |
| Angled push-in fitting with external hex                                           |                                                 |                |           |                 |      |                  |
|   | Connecting thread G3/8 for tubing O.D.          | 8 mm           | ★ 186121  | QSL-G3/8-8      | 10   |                  |
|                                                                                    |                                                 |                | 132055    | QSL-G3/8-8-50   | 50   |                  |
|                                                                                    |                                                 | 10 mm          | ★ 186123  | QSL-G3/8-10     | 10   |                  |
|                                                                                    |                                                 |                | 132056    | QSL-G3/8-10-20  | 20   |                  |
|                                                                                    |                                                 | 12 mm          | ★ 186124  | QSL-G3/8-12     | 10   |                  |
|                                                                                    | 132057                                          | QSL-G3/8-12-20 | 20        |                 |      |                  |
| Angled push-in fitting, long, with external hex                                    |                                                 |                |           |                 |      |                  |
|   | Connecting thread G3/8 for tubing O.D.          | 8 mm           | 186132    | QSL-G3/8-8      | 10   |                  |
|                                                                                    |                                                 | 10 mm          | 186134    | QSL-G3/8-10     | 10   |                  |
|                                                                                    |                                                 | 12 mm          | 186135    | QSL-G3/8-12     | 10   |                  |
| Silencer                                                                           |                                                 |                |           |                 |      |                  |
|   | With connecting thread G, metal design          | G3/8           | 6843      | U-3/8-B         | 1    |                  |
|  | With connecting thread G, sintered design, long | G3/8           | ★ 1205862 | AMTE-M-LH-G38   | 10   |                  |

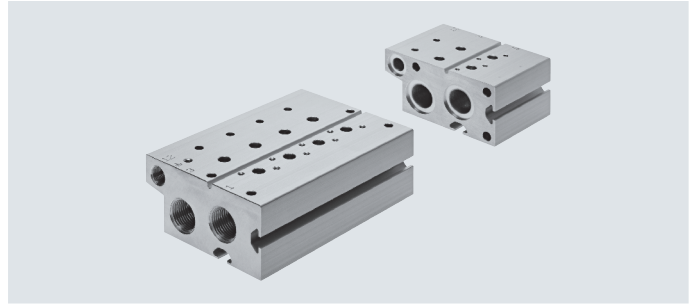
1) Packaging unit

## Accessories

| Ordering data                                                                      |                                                             | Description                                |     | Weight<br>[g] | Part no.        | Type |
|------------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|-----|---------------|-----------------|------|
| Foot mounting                                                                      |                                                             |                                            |     |               |                 |      |
|    | With screw set for attaching the valve to the foot mounting |                                            | 239 | 8026337       | VAME-B10-30-A   |      |
| Wall mounting                                                                      |                                                             |                                            |     |               |                 |      |
|    | With screw set for attaching the valve to the wall mounting |                                            | 53  | 576413        | VAME-B10-20-W   |      |
| Assortment of spare parts                                                          |                                                             |                                            |     |               |                 |      |
|    | Set comprising seals and screws                             |                                            | 22  | 8035637       | VAME-B10-30-MK  |      |
| Inscription label                                                                  |                                                             |                                            |     |               |                 |      |
|    | 40 pieces in frame                                          |                                            | –   | 565306        | ASLR-C-E4       |      |
| Mounting kit                                                                       |                                                             |                                            |     |               |                 |      |
|  | With mounting bracket for lateral valve mounting            | For standards-based cylinder DSBC-50...125 | 160 | 2612128       | DAVM-MW-V1-50-V |      |

## Technical data – Manifold block, size 20

-  - Flow rate  
up to 700 l/min



| General technical data             |  | Standard manifold block |          | Extension module for standard manifold block |          | Compact manifold block |          | Common supply manifold on both sides on one side |      |
|------------------------------------|--|-------------------------|----------|----------------------------------------------|----------|------------------------|----------|--------------------------------------------------|------|
| For valve function                 |  | 3/2                     | 5/2, 5/3 | 3/2                                          | 5/2, 5/3 | 3/2                    | 5/2, 5/3 | 3/2, 5/2, 5/3                                    |      |
| Grid dimension [mm]                |  | 22                      |          |                                              |          |                        |          |                                                  |      |
| Type of mounting                   |  | With through-hole       |          |                                              |          |                        |          | Via mounting bracket                             |      |
| Max. number of valve positions     |  | 10                      | 10       | 2                                            | 2        | 10                     |          | 10                                               | 4    |
| Port 1                             |  | G3/8                    | G3/8     | G3/8                                         | G3/8     | G1/4                   | G1/4     | G3/8                                             | G3/8 |
| Port 3                             |  | G3/8                    | G3/8     | G3/8                                         | G3/8     | G1/4                   | G1/4     | –                                                | –    |
| Port 5                             |  | –                       | G3/8     | –                                            | G3/8     | –                      | G1/4     | –                                                | –    |
| Port 12                            |  | G1/8                    | G1/8     | G1/8                                         | G1/8     | –                      | –        | –                                                | –    |
| Port 14                            |  | –                       | G1/8     | –                                            | G1/8     | –                      | –        | –                                                | –    |
| Corrosion resistance <sup>1)</sup> |  | 2                       |          |                                              |          |                        |          |                                                  |      |

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

| Weight [g]                                                                    |     |     |      |      |      |      |      |      |      |
|-------------------------------------------------------------------------------|-----|-----|------|------|------|------|------|------|------|
| Valve positions                                                               | 2   | 3   | 4    | 5    | 6    | 7    | 8    | 9    | 10   |
| <b>Manifold block for 3/2-way valves, standard</b>                            |     |     |      |      |      |      |      |      |      |
| VABM-B10-20E-G38-...-P3                                                       | 449 | 574 | 699  | 825  | 950  | 1075 | 1200 | 1326 | 1451 |
| <b>Manifold block, extension module for 3/2-way valves, standard</b>          |     |     |      |      |      |      |      |      |      |
| VABM-B10-20EEE-G38-2-P3                                                       | 324 | –   | –    | –    | –    | –    | –    | –    | –    |
| <b>Manifold block for 5/2- and 5/3-way valves, standard</b>                   |     |     |      |      |      |      |      |      |      |
| VABM-B10-20E-G38-...                                                          | 680 | 866 | 1053 | 1239 | 1425 | 1612 | 1798 | 1985 | 2171 |
| <b>Manifold block, extension module for 5/2- and 5/3-way valves, standard</b> |     |     |      |      |      |      |      |      |      |
| VABM-B10-20EEE-G38-2                                                          | 492 | –   | –    | –    | –    | –    | –    | –    | –    |
| <b>Manifold block for 3/2-way valves, compact</b>                             |     |     |      |      |      |      |      |      |      |
| VABM-B10-20S-G14-...-P3                                                       | 280 | 360 | 441  | 521  | 601  | 681  | 762  | 842  | 922  |
| <b>Manifold block for 5/2- and 5/3-way valves, compact</b>                    |     |     |      |      |      |      |      |      |      |
| VABM-B10-20S-G14-...                                                          | 344 | 439 | 535  | 630  | 726  | 821  | 917  | 1012 | 1108 |
| <b>Common supply manifold for mounting on both sides</b>                      |     |     |      |      |      |      |      |      |      |
| VABM-B10-20-G38-...-P53                                                       | 226 | 268 | 310  | 352  | 395  | 437  | 479  | 521  | 563  |
| <b>Common supply manifold for mounting on one side</b>                        |     |     |      |      |      |      |      |      |      |
| VABM-B10-20-G38-2-P53-E                                                       | 240 | 282 | 324  | –    | –    | –    | –    | –    | –    |

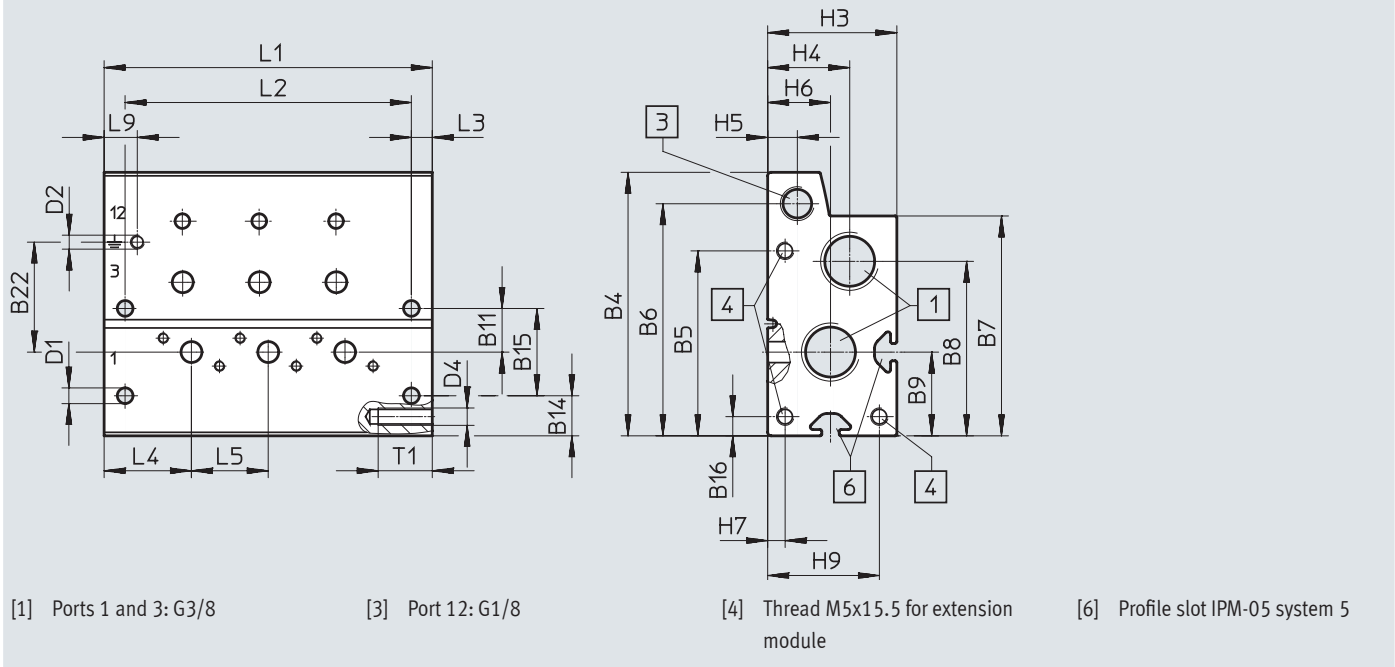
Technical data – Manifold block, size 20

| Materials         |                         |
|-------------------|-------------------------|
| Manifold rail     | Wrought aluminium alloy |
| Note on materials | RoHS-compliant          |

Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

Manifold block for 3/2-way valves, standard



| Type                    | B4   | B5 | B6   | B7 | B8 | B9 | B11  | B14  | B15 | B16 | B22  |
|-------------------------|------|----|------|----|----|----|------|------|-----|-----|------|
| VABM-B10-20E-G38-...-P3 | 75.5 | 53 | 66.5 | 63 | 50 | 24 | 12.5 | 11.5 | 25  | 5.5 | 31.5 |

| Type                    | D1 ø | D2     | D4 | H3 | H4   | H5  | H6 | H7 | H9 | L3 | L4 | L5 | L9  | T1   |
|-------------------------|------|--------|----|----|------|-----|----|----|----|----|----|----|-----|------|
| VABM-B10-20E-G38-...-P3 | 4.5  | M4x6.5 | M5 | 37 | 23.5 | 8.5 | 18 | 5  | 32 | 6  | 25 | 22 | 9.5 | 15.5 |

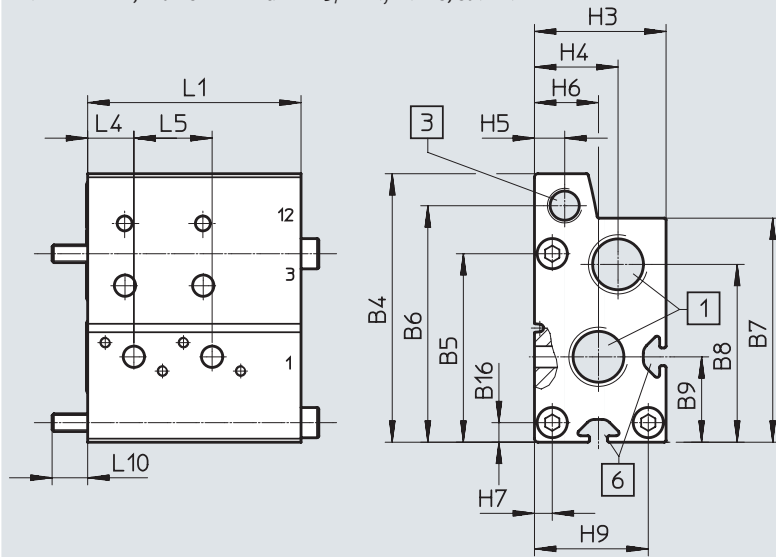
| Valve positions | 2  | 3  | 4   | 5   | 6   | 7   | 8   | 9   | 10  |
|-----------------|----|----|-----|-----|-----|-----|-----|-----|-----|
| L1              | 72 | 94 | 116 | 138 | 160 | 182 | 204 | 226 | 248 |
| L2              | 60 | 82 | 104 | 126 | 148 | 170 | 192 | 214 | 236 |

## Technical data – Manifold block, size 20

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

Manifold block, extension module for 3/2-way valves, standard



[1] Ports 1 and 3: G3/8

[3] Port 12: G1/8

[6] Profile slot IPM-05 system 5

| Type                    | B4   | B7 | B6   | B7 | B8 | B9 | B16 | H3 |
|-------------------------|------|----|------|----|----|----|-----|----|
| VABM-B10-20EEE-G38-2-P3 | 75.5 | 53 | 66.5 | 63 | 50 | 24 | 5.5 | 37 |

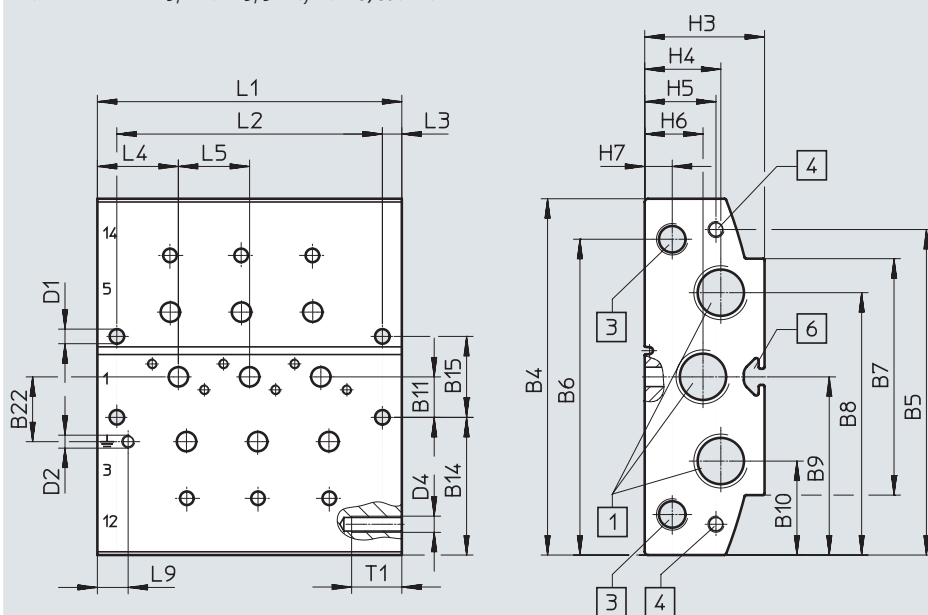
| Type                    | H4   | H5  | H6 | H7 | H9 | L1 | L4 | L5 | L10 |
|-------------------------|------|-----|----|----|----|----|----|----|-----|
| VABM-B10-20EEE-G38-2-P3 | 23.5 | 8.5 | 18 | 5  | 32 | 60 | 25 | 22 | 10  |

## Technical data – Manifold block, size 20

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

Manifold block for 5/2- and 5/3-way valves, standard



[1] Ports 1, 3 and 5: G3/8

[3] Ports 12 and 14: G1/8

[4] Thread M5x15.5 for extension module

[6] Profile slot IPM-05 system 5 module

| Type                 | B4  | B5    | B6   | B7 | B8 | B9 | B10 | B11  | B14  | B15 | B22 |
|----------------------|-----|-------|------|----|----|----|-----|------|------|-----|-----|
| VABM-B10-20E-G38-... | 110 | 100.5 | 97.5 | 73 | 81 | 55 | 29  | 12.5 | 42.5 | 25  | 20  |

| Type                 | D1 Ø | D2     | D4 | H3 | H4   | H5 | H6 | H7  | L3 | L4 | L5 | L9  | T1   |
|----------------------|------|--------|----|----|------|----|----|-----|----|----|----|-----|------|
| VABM-B10-20E-G38-... | 4.5  | M4x6.5 | M5 | 37 | 23.5 | 22 | 18 | 8.5 | 6  | 25 | 22 | 9.5 | 15.5 |

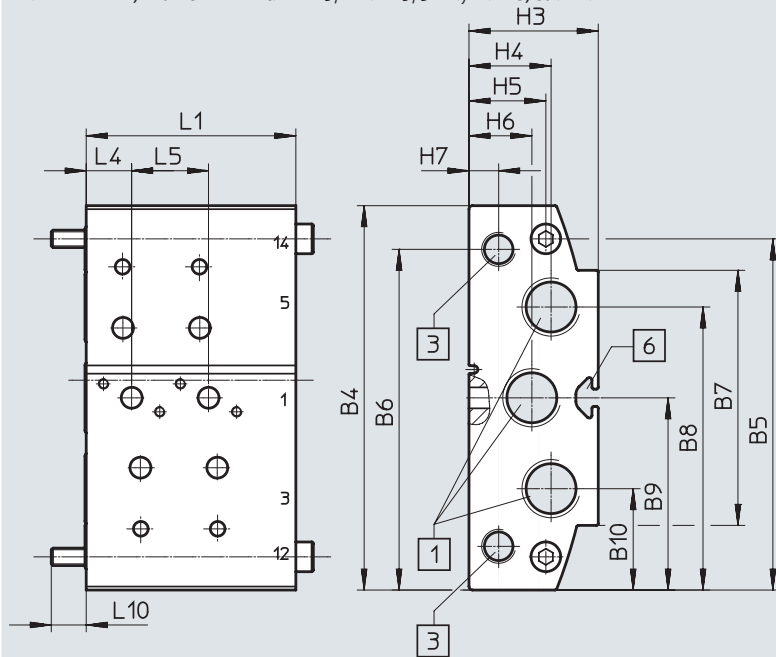
| Valve positions | 2  | 3  | 4   | 5   | 6   | 7   | 8   | 9   | 10  |
|-----------------|----|----|-----|-----|-----|-----|-----|-----|-----|
| L1              | 72 | 94 | 116 | 138 | 160 | 182 | 204 | 226 | 248 |
| L2              | 60 | 82 | 104 | 126 | 148 | 170 | 192 | 214 | 236 |

## Technical data – Manifold block, size 20

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

Manifold block, extension module for 5/2- and 5/3-way valves, standard



[1] Ports 1, 3 and 5: G3/8

[3] Ports 12 and 14: G1/8

[6] Profile slot IPM-05 system 5

| Type                 | B4  | B5    | B6   | B7 | B8 | B9 | B10 | H3 |
|----------------------|-----|-------|------|----|----|----|-----|----|
| VABM-B10-20EEE-G38-2 | 110 | 100.5 | 97.5 | 73 | 81 | 55 | 29  | 37 |

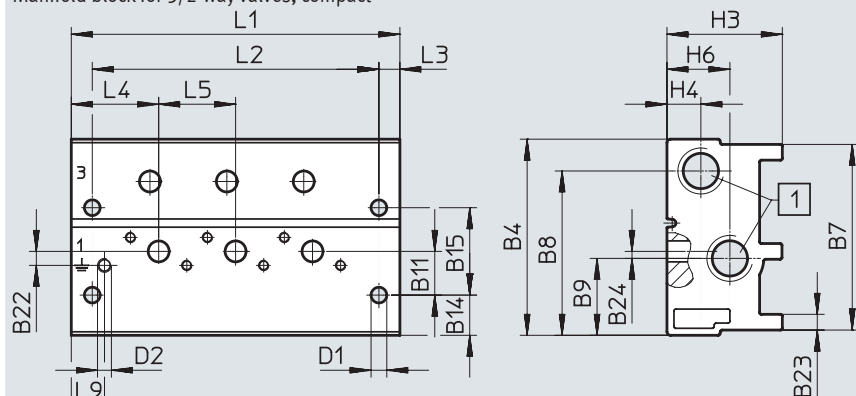
| Type                 | H4   | H5 | H6 | H7  | L1 | L4 | L5 | L10 |
|----------------------|------|----|----|-----|----|----|----|-----|
| VABM-B10-20EEE-G38-2 | 23.5 | 22 | 18 | 8.5 | 60 | 13 | 22 | 10  |

## Technical data – Manifold block, size 20

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

Manifold block for 3/2-way valves, compact



[1] Ports 1 and 3: G1/4

| Type                    | B4   | B7   | B8 | B9 | B11  | B14  | B15 | B22 | B23 | B24 |
|-------------------------|------|------|----|----|------|------|-----|-----|-----|-----|
| VABM-B10-20S-G14-...-P3 | 56.1 | 53.1 | 47 | 22 | 12.5 | 11.5 | 25  | 4   | 4.5 | 2   |

| Type                    | D1 ø | D2     | H3 | H4  | H6 | L3 | L4 | L5 | L9  |
|-------------------------|------|--------|----|-----|----|----|----|----|-----|
| VABM-B10-20S-G14-...-P3 | 4.5  | M4x6.5 | 33 | 9.7 | 18 | 6  | 25 | 22 | 9.5 |

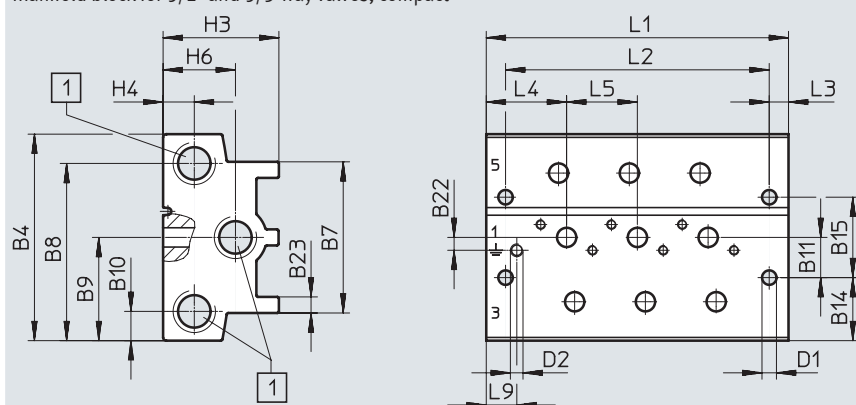
  

| Valve positions | 2  | 3  | 4   | 5   | 6   | 7   | 8   | 9   | 10  |
|-----------------|----|----|-----|-----|-----|-----|-----|-----|-----|
| L1              | 72 | 94 | 116 | 138 | 160 | 182 | 204 | 226 | 248 |
| L2              | 60 | 82 | 104 | 126 | 148 | 170 | 192 | 214 | 236 |

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

Manifold block for 5/2- and 5/3-way valves, compact



[1] Ports 1, 3 and 5: G1/4

| Type                 | B4   | B7 | B8   | B9   | B10 | B11  | B14  | B15 | B22 | B23 |
|----------------------|------|----|------|------|-----|------|------|-----|-----|-----|
| VABM-B10-20S-G14-... | 64.2 | 47 | 55.1 | 32.1 | 9.1 | 12.5 | 19.6 | 25  | 4   | 5   |

| Type                 | D1 ø | D2     | H3 | H4  | H6   | L3 | L4 | L5 | L9  |
|----------------------|------|--------|----|-----|------|----|----|----|-----|
| VABM-B10-20S-G14-... | 4.5  | M4x6.5 | 36 | 9.7 | 22.5 | 6  | 25 | 22 | 9.5 |

| Valve positions | 2  | 3  | 4   | 5   | 6   | 7   | 8   | 9   | 10  |
|-----------------|----|----|-----|-----|-----|-----|-----|-----|-----|
| L1              | 72 | 94 | 116 | 138 | 160 | 182 | 204 | 226 | 248 |
| L2              | 60 | 82 | 104 | 126 | 148 | 170 | 192 | 214 | 236 |

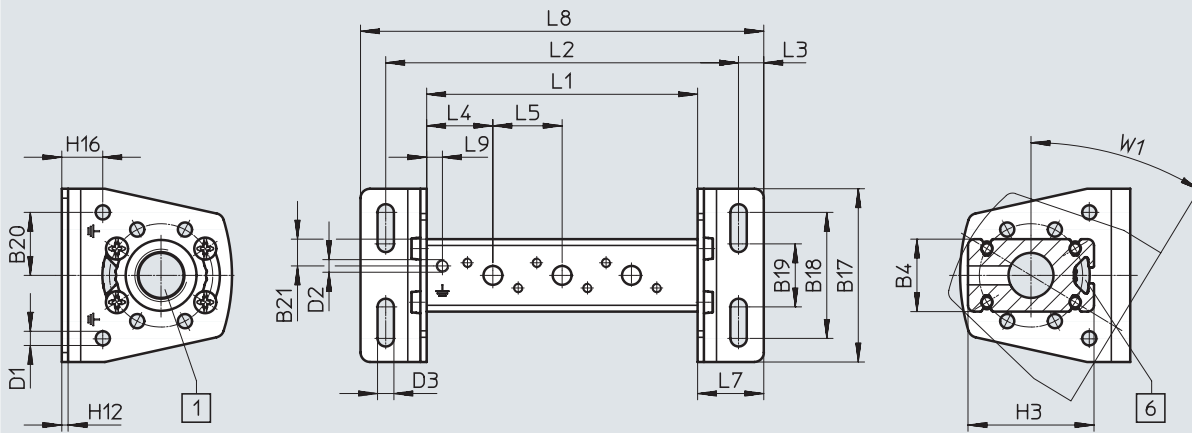


## Technical data – Manifold block, size 20

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

Common supply manifold, mounting on both sides



[1] Port 1: G3/8

[6] Profile slot IPM-05 system 5

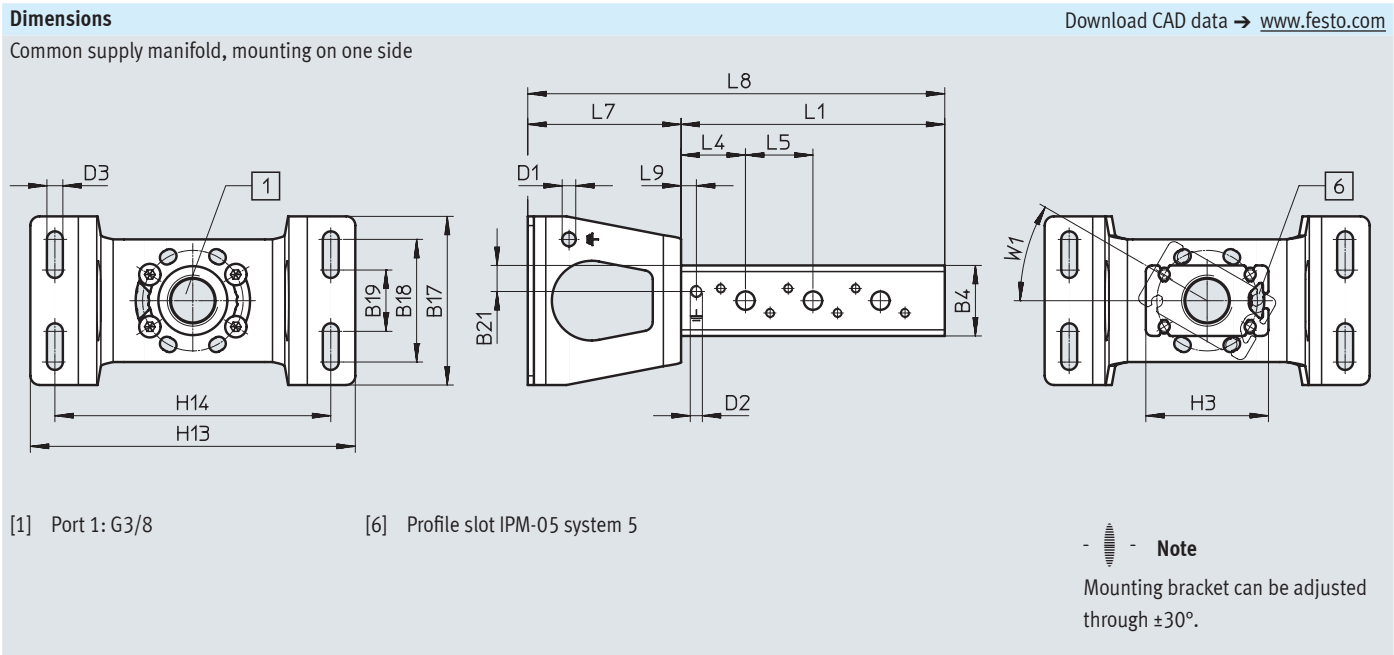
**Note**Mounting bracket can be adjusted through  $\pm 30^\circ$ .

| Type                    | B4 | B17 | B18 | B19 | B20 | B21 | D1 $\varnothing$ | D2     | D3 $\varnothing$ |
|-------------------------|----|-----|-----|-----|-----|-----|------------------|--------|------------------|
| VABM-B10-20-G38-...-P53 | 23 | 55  | 40  | 20  | 20  | 8.5 | 4.5              | M4x6.5 | 5.2              |

| Type                    | H3 | H12 | H16 | L3 | L4 | L5 | L7 | L9 | W1  |
|-------------------------|----|-----|-----|----|----|----|----|----|-----|
| VABM-B10-20-G38-...-P53 | 40 | 2   | 13  | 8  | 21 | 22 | 21 | 5  | 30° |

| Valve positions | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| L1              | 64  | 86  | 108 | 130 | 152 | 174 | 196 | 218 | 240 |
| L2              | 90  | 112 | 134 | 156 | 178 | 200 | 222 | 244 | 266 |
| L8              | 106 | 128 | 150 | 172 | 194 | 216 | 238 | 260 | 282 |

Technical data – Manifold block, size 20

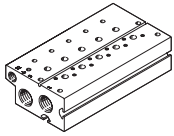
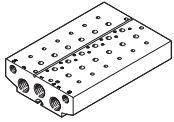
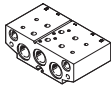
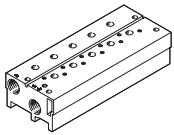
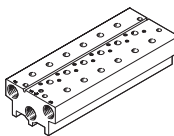


|                         |    |     |     |     |     |      |        |      |
|-------------------------|----|-----|-----|-----|-----|------|--------|------|
| Type                    | B4 | B17 | B18 | B19 | B21 | D1 ø | D2     | D3 ø |
| VABM-B10-20-G38-2-P53-E | 23 | 55  | 40  | 20  | 8.5 | 4.5  | M4x6.5 | 5.2  |

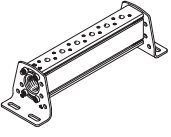
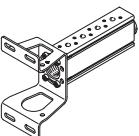
|                         |    |     |     |    |    |    |    |     |
|-------------------------|----|-----|-----|----|----|----|----|-----|
| Type                    | H3 | H13 | H14 | L4 | L5 | L7 | L9 | W1  |
| VABM-B10-20-G38-2-P53-E | 40 | 106 | 90  | 21 | 22 | 50 | 5  | 30° |

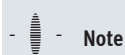
|                 |     |  |     |  |     |  |
|-----------------|-----|--|-----|--|-----|--|
| Valve positions | 2   |  | 3   |  | 4   |  |
| L1              | 64  |  | 86  |  | 108 |  |
| L8              | 114 |  | 136 |  | 158 |  |

## Ordering data – Manifold block, size 20

| Ordering data – Manifold block                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                           |                                                                                     |                                                                                |                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------|
|                                                                                                                                                                                                                                                                                                                  | Description                                                                                                                                                                                                                                                                                               | Valve positions                                                                     | Part no.                                                                       | Type                    |
| Standard manifold block                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                           |                                                                                     |                                                                                |                         |
|                                                                                                                                                                                                                                 | For 3/2-way valves, including seals and screws for mounting valves                                                                                                                                                                                                                                        | 2                                                                                   | 576441                                                                         | VABM-B10-20E-G38-2-P3   |
|                                                                                                                                                                                                                                                                                                                  |  <b>Note</b><br>• Blanking plugs for sealing the supply ports (1, 3 and 14) on one side are included in the scope of delivery.<br>• Screw set (part number 8026203) to be ordered together with solenoid valves VUVS-LK. | 3                                                                                   | 576442                                                                         | VABM-B10-20E-G38-3-P3   |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           | 4                                                                                   | 576443                                                                         | VABM-B10-20E-G38-4-P3   |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           | 5                                                                                   | 576444                                                                         | VABM-B10-20E-G38-5-P3   |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           | 6                                                                                   | 576445                                                                         | VABM-B10-20E-G38-6-P3   |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           | 7                                                                                   | 576446                                                                         | VABM-B10-20E-G38-7-P3   |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           | 8                                                                                   | 576447                                                                         | VABM-B10-20E-G38-8-P3   |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           | 9                                                                                   | 576448                                                                         | VABM-B10-20E-G38-9-P3   |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           | 10                                                                                  | 576449                                                                         | VABM-B10-20E-G38-10-P3  |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           |    | For 5/2-way and 5/3-way valves, including seals and screws for mounting valves | 2                       |
|  <b>Note</b><br>• Blanking plugs for sealing the supply ports (1, 3, 5, 12 and 14) on one side are included in the scope of delivery.<br>• Screw set (part number 8026203) to be ordered together with solenoid valves VUVS-LK. | 3                                                                                                                                                                                                                                                                                                         |                                                                                     | 576340                                                                         | VABM-B10-20E-G38-3      |
|                                                                                                                                                                                                                                                                                                                  | 4                                                                                                                                                                                                                                                                                                         |                                                                                     | 576341                                                                         | VABM-B10-20E-G38-4      |
|                                                                                                                                                                                                                                                                                                                  | 5                                                                                                                                                                                                                                                                                                         |                                                                                     | 576342                                                                         | VABM-B10-20E-G38-5      |
|                                                                                                                                                                                                                                                                                                                  | 6                                                                                                                                                                                                                                                                                                         |                                                                                     | 576343                                                                         | VABM-B10-20E-G38-6      |
|                                                                                                                                                                                                                                                                                                                  | 7                                                                                                                                                                                                                                                                                                         |                                                                                     | 576344                                                                         | VABM-B10-20E-G38-7      |
|                                                                                                                                                                                                                                                                                                                  | 8                                                                                                                                                                                                                                                                                                         |                                                                                     | 576345                                                                         | VABM-B10-20E-G38-8      |
|                                                                                                                                                                                                                                                                                                                  | 9                                                                                                                                                                                                                                                                                                         |                                                                                     | 576346                                                                         | VABM-B10-20E-G38-9      |
|                                                                                                                                                                                                                                                                                                                  | 10                                                                                                                                                                                                                                                                                                        |                                                                                     | 576347                                                                         | VABM-B10-20E-G38-10     |
|                                                                                                                                                                                                                                                                                                                  | Manifold block, extension module for standard manifold block                                                                                                                                                                                                                                              |                                                                                     |                                                                                |                         |
|                                                                                                                                                                                                                                | For 3/2-way valves, including seals and screws for mounting valves                                                                                                                                                                                                                                        | 2                                                                                   | 576490                                                                         | VABM-B10-20EEE-G38-2-P3 |
|                                                                                                                                                                                                                               | For 5/2-way and 5/3-way valves, including seals and screws for mounting valves                                                                                                                                                                                                                            | 2                                                                                   | 576489                                                                         | VABM-B10-20EEE-G38-2    |
| Compact manifold block                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                           |                                                                                     |                                                                                |                         |
|                                                                                                                                                                                                                               | For 3/2-way valves, including seals and screws for mounting valves                                                                                                                                                                                                                                        | 2                                                                                   | ★ 576465                                                                       | VABM-B10-20S-G14-2-P3   |
|                                                                                                                                                                                                                                                                                                                  |  <b>Note</b><br>Blanking plugs for sealing the supply ports (1, 3 and 14) on one side are included in the scope of delivery.                                                                                           | 3                                                                                   | 576466                                                                         | VABM-B10-20S-G14-3-P3   |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           | 4                                                                                   | ★ 576467                                                                       | VABM-B10-20S-G14-4-P3   |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           | 5                                                                                   | 576468                                                                         | VABM-B10-20S-G14-5-P3   |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           | 6                                                                                   | ★ 576469                                                                       | VABM-B10-20S-G14-6-P3   |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           | 7                                                                                   | 576470                                                                         | VABM-B10-20S-G14-7-P3   |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           | 8                                                                                   | ★ 576471                                                                       | VABM-B10-20S-G14-8-P3   |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           | 9                                                                                   | 576472                                                                         | VABM-B10-20S-G14-9-P3   |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           | 10                                                                                  | ★ 576473                                                                       | VABM-B10-20S-G14-10-P3  |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           |  | For 5/2-way and 5/3-way valves, including seals and screws for mounting valves | 2                       |
|  <b>Note</b><br>Blanking plugs for sealing the supply ports (1, 3, 5, 12 and 14) on one side are included in the scope of delivery.                                                                                           | 3                                                                                                                                                                                                                                                                                                         |                                                                                     | 576418                                                                         | VABM-B10-20S-G14-3      |
|                                                                                                                                                                                                                                                                                                                  | 4                                                                                                                                                                                                                                                                                                         |                                                                                     | ★ 576419                                                                       | VABM-B10-20S-G14-4      |
|                                                                                                                                                                                                                                                                                                                  | 5                                                                                                                                                                                                                                                                                                         |                                                                                     | 576420                                                                         | VABM-B10-20S-G14-5      |
|                                                                                                                                                                                                                                                                                                                  | 6                                                                                                                                                                                                                                                                                                         |                                                                                     | ★ 576421                                                                       | VABM-B10-20S-G14-6      |
|                                                                                                                                                                                                                                                                                                                  | 7                                                                                                                                                                                                                                                                                                         |                                                                                     | 576422                                                                         | VABM-B10-20S-G14-7      |
|                                                                                                                                                                                                                                                                                                                  | 8                                                                                                                                                                                                                                                                                                         |                                                                                     | ★ 576423                                                                       | VABM-B10-20S-G14-8      |
|                                                                                                                                                                                                                                                                                                                  | 9                                                                                                                                                                                                                                                                                                         |                                                                                     | 576424                                                                         | VABM-B10-20S-G14-9      |
|                                                                                                                                                                                                                                                                                                                  | 10                                                                                                                                                                                                                                                                                                        |                                                                                     | ★ 576425                                                                       | VABM-B10-20S-G14-10     |

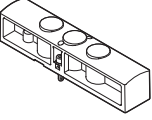
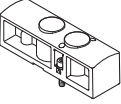
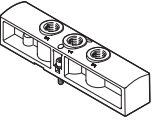
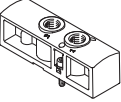
## Ordering data – Manifold block, size 20

| Ordering data                                                                    | Description                                                                | Valve positions | Part no. | Type                    |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----------------|----------|-------------------------|
| <b>Common supply manifold</b>                                                    |                                                                            |                 |          |                         |
|  | For mounting on both sides, including seals and screws for mounting valves | 2               | ★ 576363 | VABM-B10-20-G38-2-P53   |
|                                                                                  |                                                                            | 3               | 576364   | VABM-B10-20-G38-3-P53   |
|                                                                                  |                                                                            | 4               | ★ 576365 | VABM-B10-20-G38-4-P53   |
|                                                                                  |                                                                            | 5               | 576366   | VABM-B10-20-G38-5-P53   |
|                                                                                  |                                                                            | 6               | ★ 576367 | VABM-B10-20-G38-6-P53   |
|                                                                                  |                                                                            | 7               | 576368   | VABM-B10-20-G38-7-P53   |
|                                                                                  |                                                                            | 8               | ★ 576369 | VABM-B10-20-G38-8-P53   |
|                                                                                  |                                                                            | 9               | 576370   | VABM-B10-20-G38-9-P53   |
|                                                                                  |                                                                            | 10              | ★ 576371 | VABM-B10-20-G38-10-P53  |
|                                                                                  |                                                                            |                 |          |                         |
|  | For mounting on one side, including seals and screws for mounting valves   | 2               | 576414   | VABM-B10-20-G38-2-P53-E |
|                                                                                  |                                                                            | 3               | 576415   | VABM-B10-20-G38-3-P53-E |
|                                                                                  |                                                                            | 4               | 576416   | VABM-B10-20-G38-4-P53-E |
|                                                                                  |                                                                            |                 |          |                         |

**Note**

Blanking plug for sealing the supply port (1) on one side included in the scope of delivery.

## Ordering data – Manifold block, size 20

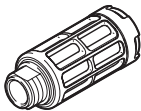
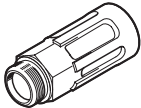
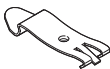
| Ordering data                                                                       | Description                                                   | Weight<br>[g] | Part no. | Type                    |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------|----------|-------------------------|
| <b>Cover plate</b>                                                                  |                                                               |               |          |                         |
|    | For valve position on manifold block for 5/2-, 5/3-way valves | 78            | ★ 576410 | VABB-B10-20-E           |
|    | For valve position on manifold block for 3/2-way valves       | 56            | ★ 576411 | VABB-B10-20-E-P3        |
|    | For valve position on common supply manifold                  | 13            | ★ 576409 | VABB-B10-20-A           |
| <b>Supply plate</b>                                                                 |                                                               |               |          |                         |
|    | For valve position on manifold block for 5/2-, 5/3-way valves | 78            | 576492   | VABF-B10-20-P1A4-G18    |
|   | For valve position on manifold block for 3/2-way valves       | 56            | 576493   | VABF-B10-20-P1A4-G18-P3 |
| <b>Supply plate</b>                                                                 |                                                               |               |          |                         |
|  | For valve position on common supply manifold                  | 13            | 576491   | VABF-B10-20-P1-G18      |

## Ordering data – Manifold block, size 20

| Ordering data                                                                      |                                        | Description | Part no.    | Type            | PU <sup>1)</sup> |    |
|------------------------------------------------------------------------------------|----------------------------------------|-------------|-------------|-----------------|------------------|----|
| Push-in fitting with external hex                                                  |                                        |             |             |                 |                  |    |
|    | Connecting thread M5 for tubing O.D.   | 12 mm       | ★ 186350    | QS-G1/4-12      | 10               |    |
|                                                                                    | Connecting thread G3/8 for tubing O.D. | 16 mm       | 186347      | QS-G3/8-16      | 1                |    |
| Push-in fitting with internal hex                                                  |                                        |             |             |                 |                  |    |
|    | Connecting thread M5 for tubing O.D.   | 4 mm        | ★ 153315    | QSM-M5-4-I      | 10               |    |
|                                                                                    | Connecting thread G1/8 for tubing O.D. | 4 mm        | ★ 186106    | QS-G1/8-4-I     | 10               |    |
|                                                                                    |                                        |             | 133008      | QS-G1/8-4-I-100 | 100              |    |
|                                                                                    |                                        | 6 mm        | ★ 186107    | QS-G1/8-6-I     | 10               |    |
|                                                                                    |                                        |             | 133009      | QS-G1/8-6-I-100 | 100              |    |
|                                                                                    |                                        | 8 mm        | ★ 186109    | QS-G1/8-8-I     | 10               |    |
|                                                                                    |                                        |             | 133010      | QS-G1/8-8-I-100 | 100              |    |
|                                                                                    | Connecting thread G1/4 for tubing O.D. | 8 mm        | ★ 186110    | QS-G1/4-8-I     | 10               |    |
|                                                                                    |                                        | 10 mm       | ★ 186112    | QS-G1/4-10-I    | 10               |    |
|                                                                                    | Connecting thread G3/8 for tubing O.D. | 8 mm        | ★ 186111    | QS-G3/8-8-I     | 10               |    |
|                                                                                    |                                        |             | 10 mm       | ★ 186113        | QS-G3/8-10-I     | 10 |
|                                                                                    |                                        |             | 12 mm       | ★ 186114        | QS-G3/8-12-I     | 10 |
|                                                                                    |                                        |             |             |                 |                  |    |
| Angled push-in fitting with external hex                                           |                                        |             |             |                 |                  |    |
|   | Connecting thread G1/8 for tubing O.D. | 4 mm        | ★ 186116    | QSL-G1/8-4      | 10               |    |
|                                                                                    |                                        |             | 132048      | QSL-G1/8-4-100  | 100              |    |
|                                                                                    |                                        | 6 mm        | ★ 186117    | QSL-G1/8-6      | 10               |    |
|                                                                                    |                                        |             | 132049      | QSL-G1/8-6-100  | 100              |    |
|                                                                                    |                                        | 8 mm        | ★ 186119    | QSL-G1/8-8      | 10               |    |
|                                                                                    |                                        |             | 132050      | QSL-G1/8-8-50   | 50               |    |
|                                                                                    | Connecting thread G1/4 for tubing O.D. | 8 mm        | ★ 186120    | QSL-G1/4-8      | 10               |    |
|                                                                                    |                                        |             | 132052      | QSL-G1/4-8-50   | 50               |    |
|                                                                                    |                                        | 10 mm       | ★ 186122    | QSL-G1/4-10     | 10               |    |
|                                                                                    |                                        |             | 132053      | QSL-G1/4-10-50  | 50               |    |
|                                                                                    |                                        | 12 mm       | ★ 186351    | QSL-G1/4-12     | 10               |    |
|                                                                                    |                                        |             | 132054      | QSL-G1/4-12-20  | 20               |    |
|                                                                                    | Connecting thread G3/8 for tubing O.D. | 8 mm        | ★ 186121    | QSL-G3/8-8      | 10               |    |
|                                                                                    |                                        |             | 132055      | QSL-G3/8-8-50   | 50               |    |
|                                                                                    |                                        | 10 mm       | ★ 186123    | QSL-G3/8-10     | 10               |    |
|                                                                                    |                                        |             | 132056      | QSL-G3/8-10-20  | 20               |    |
|                                                                                    |                                        | 12 mm       | ★ 186124    | QSL-G3/8-12     | 10               |    |
|                                                                                    |                                        |             | 132057      | QSL-G3/8-12-20  | 20               |    |
|                                                                                    | 16 mm                                  | 186348      | QSL-G3/8-16 | 1               |                  |    |
| Angled push-in fitting, long, with external hex                                    |                                        |             |             |                 |                  |    |
|  | Connecting thread G1/8 for tubing O.D. | 4 mm        | 186127      | QSL-G1/8-4      | 10               |    |
|                                                                                    |                                        |             | 133015      | QSL-G1/8-4-100  | 100              |    |
|                                                                                    |                                        | 6 mm        | 186128      | QSL-G1/8-6      | 10               |    |
|                                                                                    |                                        |             | 133016      | QSL-G1/8-6-100  | 100              |    |
|                                                                                    |                                        | 8 mm        | 186130      | QSL-G1/8-8      | 10               |    |
|                                                                                    |                                        |             | 133017      | QSL-G1/8-8-100  | 100              |    |

1) Packaging unit

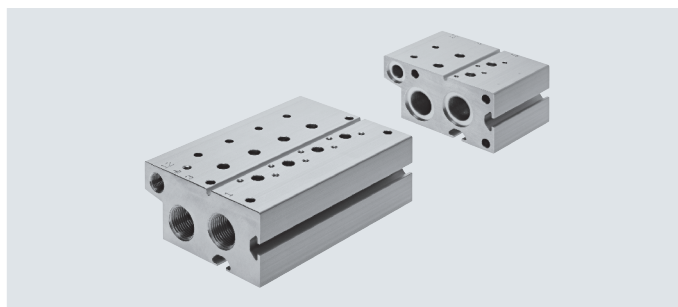
## Ordering data – Manifold block, size 20

| Ordering data                                                                       |                                                                                                | Description | Part no.  | Type          | PU <sup>1)</sup> |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------|-----------|---------------|------------------|
| Silencer                                                                            |                                                                                                |             |           |               |                  |
|    | With connecting thread G, polymer design                                                       | G1/8        | ★ 2307    | U-1/8         | 1                |
|                                                                                     |                                                                                                |             | 534222    | U-1/8-50      | 50               |
|                                                                                     |                                                                                                | G1/4        | ★ 2316    | U-1/4         | 1                |
|                                                                                     |                                                                                                |             | 534223    | U-1/4-20      | 20               |
|    | With connecting thread G, metal design                                                         | G3/8        | 6843      | U-3/8-B       | 1                |
|    | With connecting thread G, sintered design, long                                                | G1/4        | ★ 1205861 | AMTE-M-LH-G14 | 20               |
|                                                                                     |                                                                                                | G3/8        | ★ 1205862 | AMTE-M-LH-G38 | 10               |
| Blanking plug                                                                       |                                                                                                |             |           |               |                  |
|    | With connecting thread                                                                         | G1/8        | ★ 3568    | B-1/8         | 10               |
|                                                                                     |                                                                                                |             | 534213    | B-1/8-100     | 100              |
|                                                                                     |                                                                                                | G1/4        | ★ 3569    | B-1/4         | 10               |
|                                                                                     |                                                                                                |             | 534214    | B-1/4-50      | 50               |
|                                                                                     |                                                                                                | G3/8        | ★ 3570    | B-3/8         | 10               |
|                                                                                     |                                                                                                | 534215      | B-3/8-20  | 20            |                  |
| Separator                                                                           |                                                                                                |             |           |               |                  |
|   | For creating pressure zones                                                                    | G1/8        | 569995    | VABD-8-B      | 1                |
|                                                                                     |                                                                                                | G1/4        | 569996    | VABD-10-B     | 1                |
|                                                                                     |                                                                                                | G3/8        | 574483    | VABD-14-B     | 1                |
| H-rail mounting                                                                     |                                                                                                |             |           |               |                  |
|  | For mounting the valve manifold assembly on standard H-rail TH 35-7.5 or TH 35-15, to EN 60715 |             | ★ 569998  | VAME-T-M4     | 2                |

1) Packaging unit

## Technical data – Manifold block, size 25

 Flow rate  
up to 1300 l/min



| General technical data             |  | Standard manifold block |          | Extension module for standard manifold block |          | Compact manifold block |          | Common supply manifold on both sides on one side |      |
|------------------------------------|--|-------------------------|----------|----------------------------------------------|----------|------------------------|----------|--------------------------------------------------|------|
| Valve function                     |  | 3/2                     | 5/2, 5/3 | 3/2                                          | 5/2, 5/3 | 3/2                    | 5/2, 5/3 | 3/2, 5/2, 5/3                                    |      |
| Grid dimension [mm]                |  | 27.5                    |          |                                              |          |                        |          |                                                  |      |
| Type of mounting                   |  | With through-hole       |          |                                              |          |                        |          | Via mounting bracket                             |      |
| Max. number of valve positions     |  | 10                      | 10       | 2                                            | 2        | 10                     |          | 10                                               | 4    |
| Port 1                             |  | G1/2                    | G1/2     | G1/2                                         | G1/2     | G3/8                   | G3/8     | G1/2                                             | G1/2 |
| Port 3                             |  | G1/2                    | G1/2     | G1/2                                         | G1/2     | G3/8                   | G3/8     | –                                                | –    |
| Port 5                             |  | –                       | G1/2     | –                                            | G1/2     | –                      | G3/8     | –                                                | –    |
| Port 12                            |  | G1/8                    | G1/8     | G1/8                                         | G1/8     | –                      | –        | –                                                | –    |
| Port 14                            |  | –                       | G1/8     | –                                            | G1/8     | –                      | –        | –                                                | –    |
| Corrosion resistance <sup>1)</sup> |  | 2                       |          |                                              |          |                        |          |                                                  |      |

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

| Weight [g]                                                                    |     |      |      |      |      |      |      |      |      |
|-------------------------------------------------------------------------------|-----|------|------|------|------|------|------|------|------|
| Valve positions                                                               | 2   | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   |
| <b>Manifold block for 3/2-way valves, standard</b>                            |     |      |      |      |      |      |      |      |      |
| VABM-B10-25E-G12-...-P3                                                       | 726 | 960  | 1194 | 1428 | 1662 | 1896 | 2130 | 2364 | 2598 |
| <b>Manifold block, extension module for 3/2-way valves, standard</b>          |     |      |      |      |      |      |      |      |      |
| VABM-B10-25EEE-G12-2-P3                                                       | 340 | –    | –    | –    | –    | –    | –    | –    | –    |
| <b>Manifold block for 5/2- and 5/3-way valves, standard</b>                   |     |      |      |      |      |      |      |      |      |
| VABM-B10-25E-G12-...                                                          | 927 | 1224 | 1521 | 1818 | 2115 | 2412 | 2709 | 3006 | 3303 |
| <b>Manifold block, extension module for 5/2- and 5/3-way valves, standard</b> |     |      |      |      |      |      |      |      |      |
| VABM-B10-25EEE-G12-2                                                          | 258 | –    | –    | –    | –    | –    | –    | –    | –    |
| <b>Manifold block for 3/2-way valves, compact</b>                             |     |      |      |      |      |      |      |      |      |
| VABM-B10-25S-G38-...-P3                                                       | 369 | 488  | 607  | 726  | 845  | 964  | 1083 | 1202 | 1321 |
| <b>Manifold block for 5/2- and 5/3-way valves, compact</b>                    |     |      |      |      |      |      |      |      |      |
| VABM-B10-25S-G38-...                                                          | 438 | 579  | 720  | 861  | 1002 | 1143 | 1284 | 1425 | 1566 |
| <b>Common supply manifold for mounting on both sides</b>                      |     |      |      |      |      |      |      |      |      |
| VABM-B10-25-G38-...-P53                                                       | 258 | 340  | 422  | 504  | 586  | 668  | 750  | 832  | 914  |
| <b>Common supply manifold for mounting on one side</b>                        |     |      |      |      |      |      |      |      |      |
| VABM-B10-25-G38-2-P53-E                                                       | 258 | 340  | 422  | –    | –    | –    | –    | –    | –    |



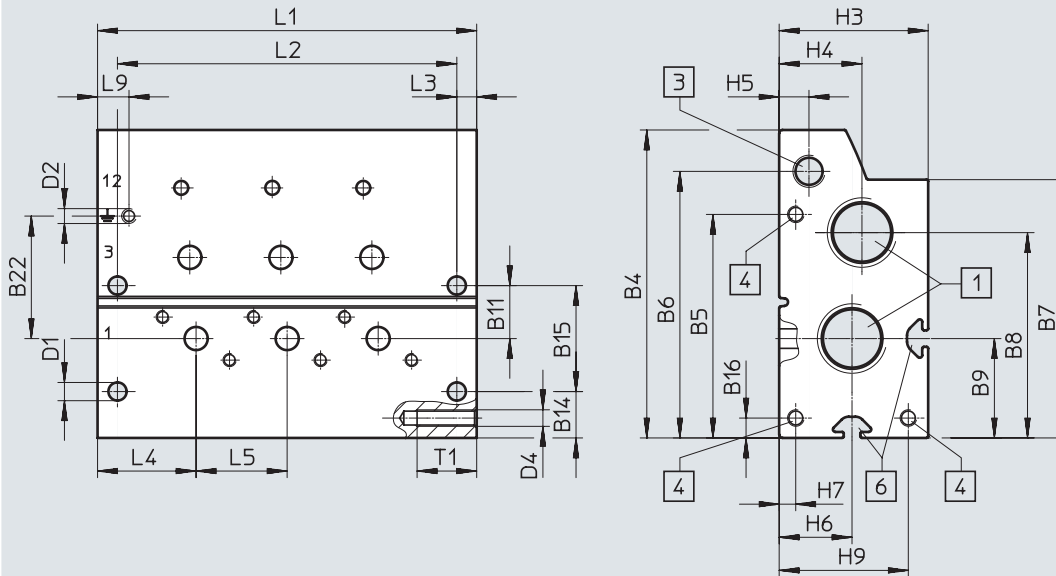
## Technical data – Manifold block, size 25

| Materials         |                         |
|-------------------|-------------------------|
| Manifold rail     | Wrought aluminium alloy |
| Note on materials | RoHS-compliant          |

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

Manifold block for 3/2-way valves, standard



[1] Ports 1 and 3: G1/2

[3] Port 12: G1/8

[4] Thread M5x18 for extension module

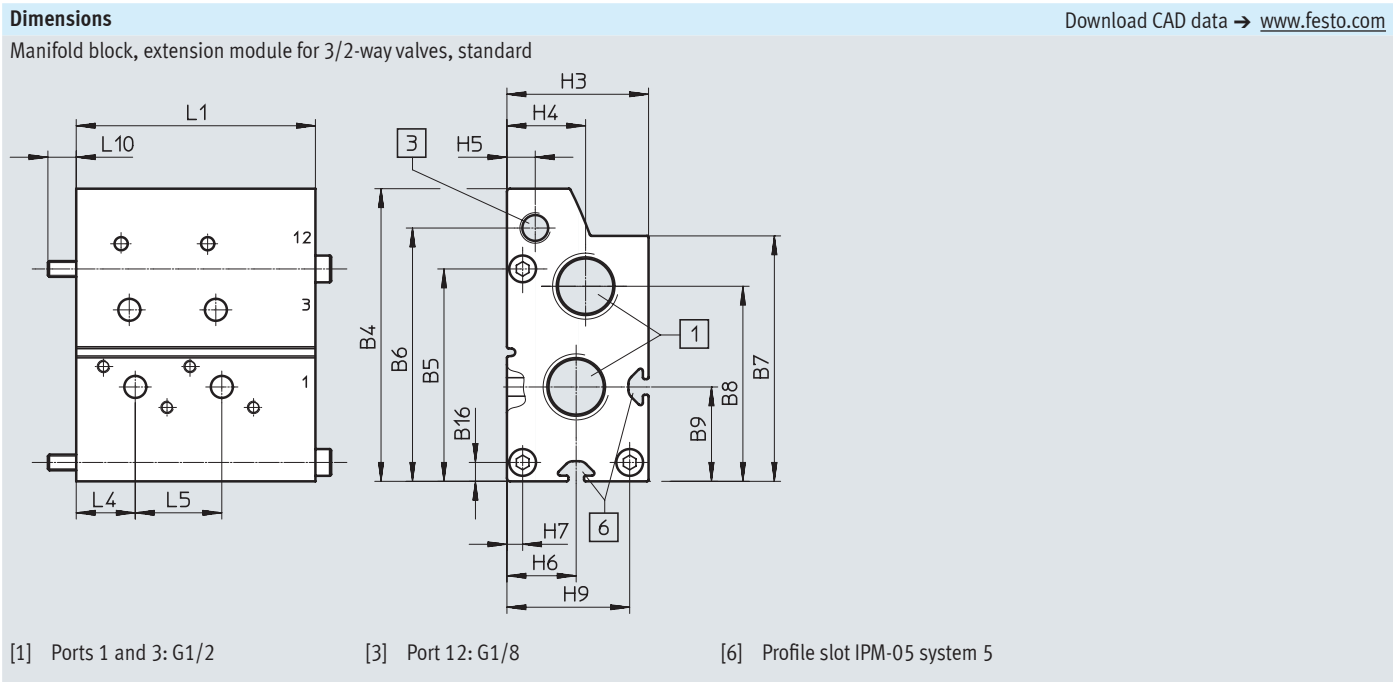
[6] Profile slot IPM-05 system 5

| Type                    | B4 | B5   | B6   | B7 | B8 | B9 | B11 | B14 | B15 | B16 | B22 |
|-------------------------|----|------|------|----|----|----|-----|-----|-----|-----|-----|
| VABM-B10-25E-G12-....P3 | 93 | 67.5 | 80.5 | 78 | 62 | 30 | 16  | 14  | 32  | 6   | 37  |

| Type                    | D1 ø | D2   | D4 | H3 | H4 | H5 | H6 | H7 | H9 | L3 | L4   | L5   | L9  | T1 |
|-------------------------|------|------|----|----|----|----|----|----|----|----|------|------|-----|----|
| VABM-B10-25E-G12-....P3 | 5.5  | M4x9 | M5 | 45 | 25 | 9  | 22 | 5  | 39 | 6  | 29.8 | 27.5 | 9.5 | 18 |

| Valve positions | 2  | 3     | 4   | 5     | 6   | 7     | 8   | 9     | 10  |
|-----------------|----|-------|-----|-------|-----|-------|-----|-------|-----|
| L1              | 87 | 114.5 | 142 | 169.5 | 197 | 224.5 | 252 | 279.5 | 307 |
| L2              | 75 | 102.5 | 130 | 157.5 | 185 | 212.5 | 240 | 267.5 | 295 |

Technical data – Manifold block, size 25



| Type                    | B4 | B5   | B6   | B7 | B8 | B9 | B16 | H3 |
|-------------------------|----|------|------|----|----|----|-----|----|
| VABM-B10-25EEE-G12-2-P3 | 93 | 67.5 | 80.5 | 78 | 62 | 30 | 6   | 45 |

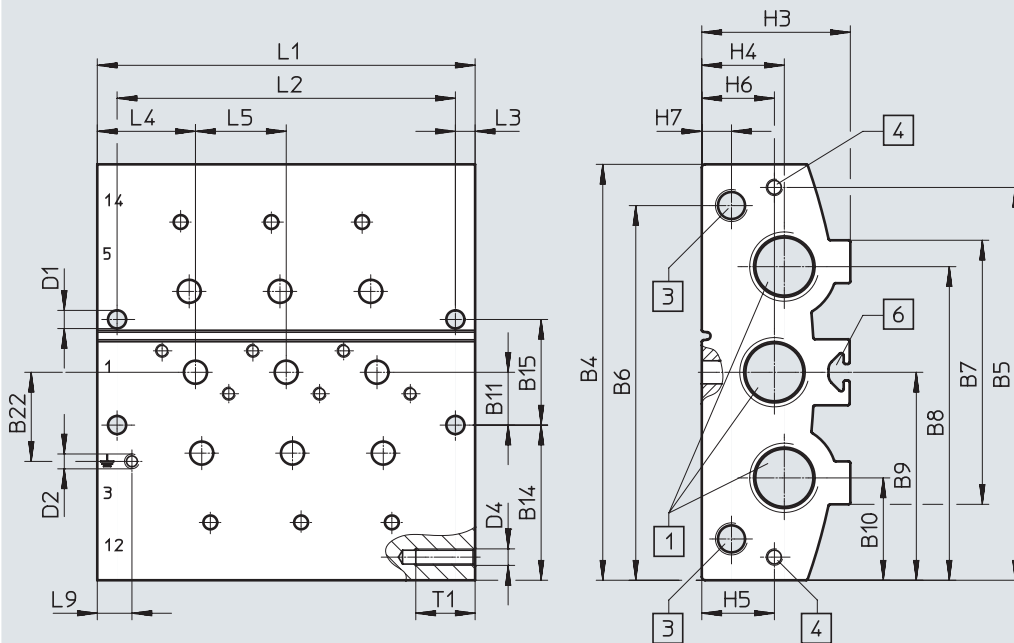
| Type                    | H4 | H5 | H6 | H7 | H9 | L4   | L5   | L10 | L1 |
|-------------------------|----|----|----|----|----|------|------|-----|----|
| VABM-B10-25EEE-G12-2-P3 | 25 | 9  | 22 | 5  | 39 | 18.8 | 27.5 | 9   | 76 |

## Technical data – Manifold block, size 25

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

Manifold block for 5/2- and 5/3-way valves, standard



[1] Ports 1, 3 and 5: G1/2

[3] Ports 12 and 14: G1/8

[4] Thread M5x18 for extension module

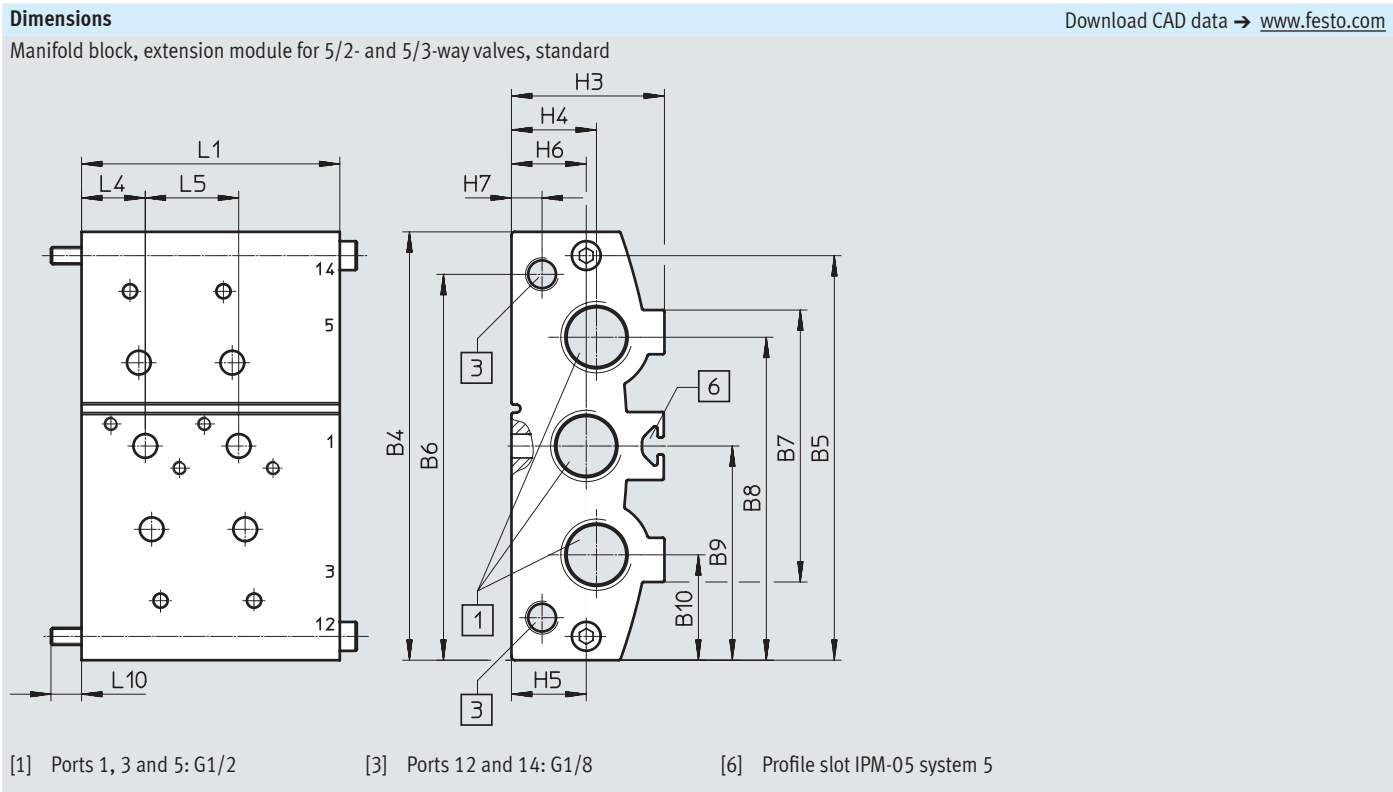
[6] Profile slot IPM-05 system 5

| Type                 | B4  | B5  | B6    | B7 | B8 | B9 | B10 | B11 | B14 | B15 | B22 |
|----------------------|-----|-----|-------|----|----|----|-----|-----|-----|-----|-----|
| VABM-B10-25E-G12-... | 126 | 119 | 113.5 | 80 | 95 | 63 | 31  | 16  | 47  | 32  | 27  |

| Type                 | D1 ø | D2   | D4 | H3 | H4 | H5 | H6 | H7 | L3 | L4   | L5   | L9   | T1 |
|----------------------|------|------|----|----|----|----|----|----|----|------|------|------|----|
| VABM-B10-25E-G12-... | 5.5  | M4x9 | M5 | 45 | 25 | 22 | 22 | 9  | 6  | 29.8 | 27.5 | 10.5 | 18 |

| Valve positions | 2  | 3     | 4   | 5     | 6   | 7     | 8   | 9     | 10  |
|-----------------|----|-------|-----|-------|-----|-------|-----|-------|-----|
| L1              | 87 | 114.5 | 142 | 169.5 | 197 | 224.5 | 252 | 279.5 | 307 |
| L2              | 75 | 102.5 | 130 | 157.5 | 185 | 212.5 | 240 | 267.5 | 295 |

Technical data – Manifold block, size 25



| Type                 | B4  | B5    | B6   | B7 | B8 | B9 | B10 | H3 |
|----------------------|-----|-------|------|----|----|----|-----|----|
| VABM-B10-25EEE-G12-2 | 110 | 100.5 | 97.5 | 73 | 81 | 55 | 29  | 37 |

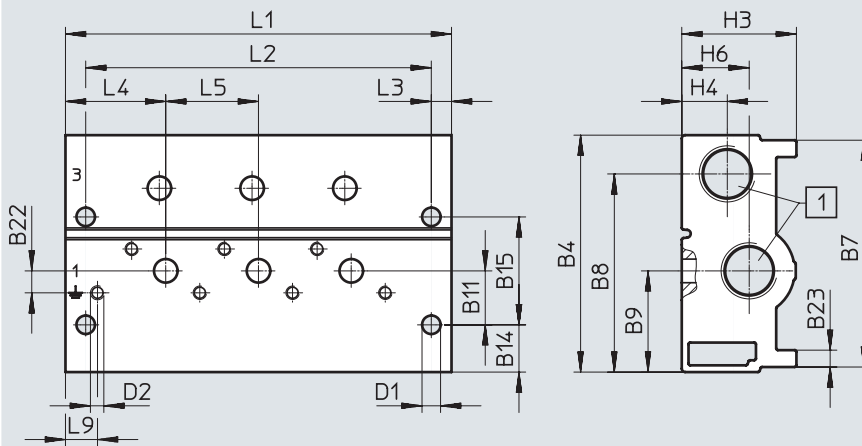
| Type                 | H4   | H5 | H6 | H7  | L1 | L4 | L5 | L10 |
|----------------------|------|----|----|-----|----|----|----|-----|
| VABM-B10-25EEE-G12-2 | 23.5 | 22 | 18 | 8.5 | 60 | 13 | 22 | 10  |

## Technical data – Manifold block, size 25

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

Manifold block for 3/2-way valves, compact



[1] Ports 1 and 3: G3/8

| Type                    | B4   | B7   | B8   | B9 | B11 | B14 | B15 | B22 | B23 |
|-------------------------|------|------|------|----|-----|-----|-----|-----|-----|
| VABM-B10-25S-G38-...-P3 | 70.3 | 67.3 | 58.8 | 30 | 16  | 14  | 32  | 6.5 | 5   |

| Type                    | D1 ø | D2   | H3 | H4   | H6 | L3 | L4   | L5   | L9  |
|-------------------------|------|------|----|------|----|----|------|------|-----|
| VABM-B10-25S-G38-...-P3 | 5.5  | M4x9 | 34 | 13.5 | 20 | 6  | 29.8 | 27.5 | 9.5 |

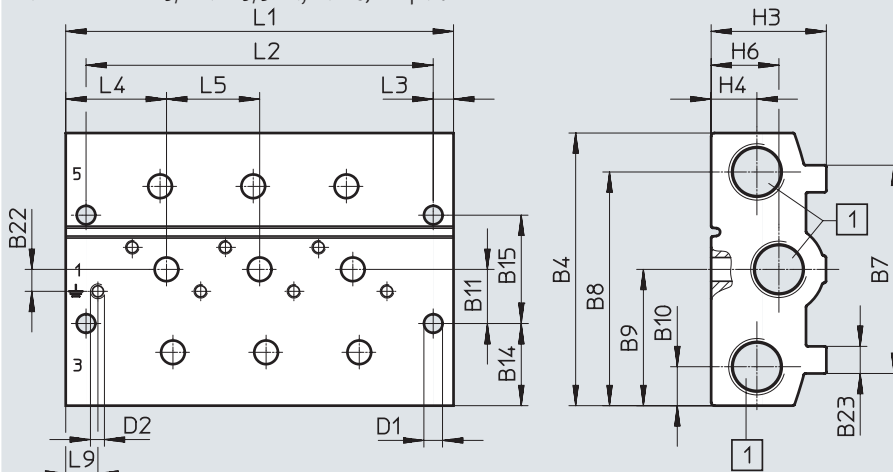
  

| Valve positions | 2  | 3     | 4   | 5     | 6   | 7     | 8   | 9     | 10  |
|-----------------|----|-------|-----|-------|-----|-------|-----|-------|-----|
| L1              | 87 | 114.5 | 142 | 169.5 | 197 | 224.5 | 252 | 279.5 | 307 |
| L2              | 75 | 102.5 | 130 | 157.5 | 185 | 212.5 | 240 | 267.5 | 295 |

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

Manifold block for 5/2- and 5/3-way valves, compact



[1] Ports 1, 3 and 5: G3/8

| Type                 | B4   | B7   | B8 | B9   | B10  | B11 | B14  | B15 | B22 | B23 |
|----------------------|------|------|----|------|------|-----|------|-----|-----|-----|
| VABM-B10-25S-G38-... | 80.5 | 61.5 | 69 | 40.3 | 11.5 | 16  | 24.3 | 32  | 6.5 | 8   |

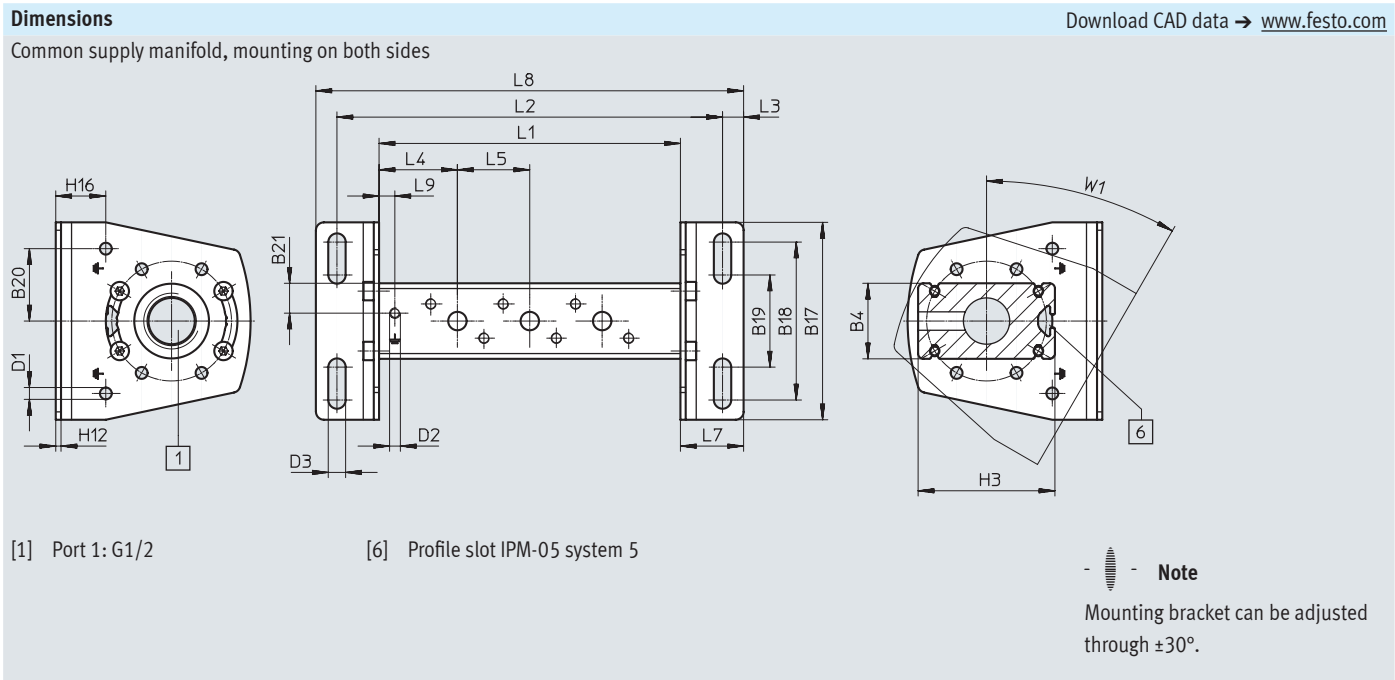
  

| Type                 | D1 ø | D2   | H3 | H4   | H6 | L3 | L4   | L5   | L9  |
|----------------------|------|------|----|------|----|----|------|------|-----|
| VABM-B10-25S-G38-... | 5.5  | M4x9 | 34 | 13.5 | 20 | 6  | 29.8 | 27.5 | 9.5 |

| Valve positions | 2  | 3     | 4   | 5     | 6   | 7     | 8   | 9     | 10  |
|-----------------|----|-------|-----|-------|-----|-------|-----|-------|-----|
| L1              | 87 | 114.5 | 142 | 169.5 | 197 | 224.5 | 252 | 279.5 | 307 |
| L2              | 75 | 102.5 | 130 | 157.5 | 185 | 212.5 | 240 | 267.5 | 295 |

Technical data – Manifold block, size 25



|                         |      |     |     |     |      |      |      |      |      |
|-------------------------|------|-----|-----|-----|------|------|------|------|------|
| Type                    | B4   | B17 | B18 | B19 | B20  | B21  | D1 ø | D2   | D3 ø |
| VABM-B10-25-G12-...-P53 | 28.7 | 75  | 60  | 35  | 27.5 | 11.4 | 4.5  | M4x9 | 6.6  |

|                         |    |     |     |    |      |      |    |    |     |
|-------------------------|----|-----|-----|----|------|------|----|----|-----|
| Type                    | H3 | H12 | H16 | L3 | L4   | L5   | L7 | L9 | W1  |
| VABM-B10-25-G12-...-P53 | 52 | 2   | 19  | 8  | 29.8 | 27.5 | 24 | 6  | 30° |

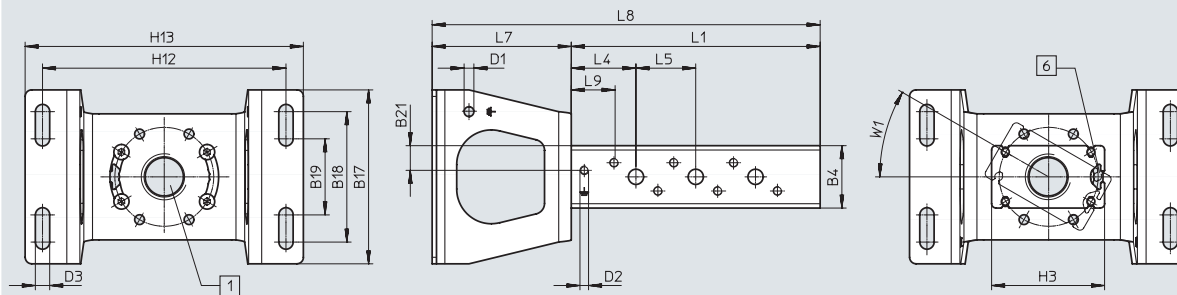
|                 |     |       |     |       |     |       |     |       |     |
|-----------------|-----|-------|-----|-------|-----|-------|-----|-------|-----|
| Valve positions | 2   | 3     | 4   | 5     | 6   | 7     | 8   | 9     | 10  |
| L1              | 87  | 114.5 | 142 | 169.5 | 197 | 224.5 | 252 | 279.5 | 307 |
| L2              | 119 | 146.5 | 174 | 201.5 | 229 | 256.5 | 284 | 311.5 | 339 |
| L8              | 135 | 162.5 | 190 | 217.5 | 245 | 272.5 | 300 | 327.5 | 355 |

## Technical data – Manifold block, size 25

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

Common supply manifold, mounting on one side



[1] Port 1: G1/2

[6] Profile slot IPM-05 system 5

**Note**

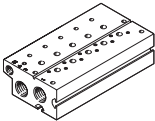
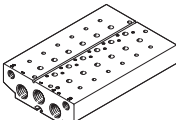
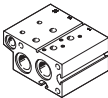
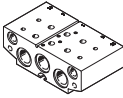
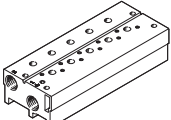
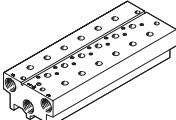
Mounting bracket can be adjusted  
through  $\pm 30^\circ$ .

| Type                      | B4   | B17 | B18 | B19 | B21  | D1 $\varnothing$ | D2   | D3 $\varnothing$ |
|---------------------------|------|-----|-----|-----|------|------------------|------|------------------|
| VABM-B10-25-G12-...-P53-E | 28.7 | 80  | 60  | 35  | 11.4 | 4.5              | M4x9 | 6.6              |

| Type                      | H3 | H13 | H14 | L4   | L5   | L7 | L9 | W1  |
|---------------------------|----|-----|-----|------|------|----|----|-----|
| VABM-B10-25-G12-...-P53-E | 52 | 128 | 112 | 29.8 | 27.5 | 64 | 6  | 30° |

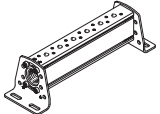
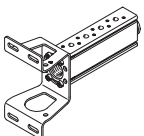
| Valve positions | 2   | 3     | 4   |
|-----------------|-----|-------|-----|
| L1              | 87  | 114.5 | 142 |
| L8              | 151 | 178.5 | 206 |

## Ordering data – Manifold block, size 25

| Ordering data – Manifold block                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                           |                                                                                    |                                                                                |                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------|
|                                                                                                                                                                                                                                                                                                                  | Description                                                                                                                                                                                                                                                                                               | Valve positions                                                                    | Part no.                                                                       | Type                    |
| Standard manifold block                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                           |                                                                                    |                                                                                |                         |
|                                                                                                                                                                                                                                  | For 3/2-way valves, including seals and screws for mounting valves                                                                                                                                                                                                                                        | 2                                                                                  | 8026279                                                                        | VABM-B10-25E-G12-2-P3   |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           | 3                                                                                  | 8026280                                                                        | VABM-B10-25E-G12-3-P3   |
|                                                                                                                                                                                                                                                                                                                  |  <b>Note</b><br>• Blanking plugs for sealing the supply ports (1, 3 and 14) on one side are included in the scope of delivery.<br>• Screw set (part number 8026203) to be ordered together with solenoid valves VUVS-LK. | 4                                                                                  | 8026281                                                                        | VABM-B10-25E-G12-4-P3   |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           | 5                                                                                  | 8026282                                                                        | VABM-B10-25E-G12-5-P3   |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           | 6                                                                                  | 8026283                                                                        | VABM-B10-25E-G12-6-P3   |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           | 7                                                                                  | 8026284                                                                        | VABM-B10-25E-G12-7-P3   |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           | 8                                                                                  | 8026285                                                                        | VABM-B10-25E-G12-8-P3   |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           | 9                                                                                  | 8026286                                                                        | VABM-B10-25E-G12-9-P3   |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           | 10                                                                                 | 8026287                                                                        | VABM-B10-25E-G12-10-P3  |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           |    | For 5/2-way and 5/3-way valves, including seals and screws for mounting valves | 2                       |
| 3                                                                                                                                                                                                                                                                                                                | 8026244                                                                                                                                                                                                                                                                                                   |                                                                                    |                                                                                | VABM-B10-25E-G12-3      |
|  <b>Note</b><br>• Blanking plugs for sealing the supply ports (1, 3, 5, 12 and 14) on one side are included in the scope of delivery.<br>• Screw set (part number 8026203) to be ordered together with solenoid valves VUVS-LK. | 4                                                                                                                                                                                                                                                                                                         |                                                                                    | 8026245                                                                        | VABM-B10-25E-G12-4      |
|                                                                                                                                                                                                                                                                                                                  | 5                                                                                                                                                                                                                                                                                                         |                                                                                    | 8026246                                                                        | VABM-B10-25E-G12-5      |
|                                                                                                                                                                                                                                                                                                                  | 6                                                                                                                                                                                                                                                                                                         |                                                                                    | 8026247                                                                        | VABM-B10-25E-G12-6      |
|                                                                                                                                                                                                                                                                                                                  | 7                                                                                                                                                                                                                                                                                                         |                                                                                    | 8026248                                                                        | VABM-B10-25E-G12-7      |
|                                                                                                                                                                                                                                                                                                                  | 8                                                                                                                                                                                                                                                                                                         |                                                                                    | 8026249                                                                        | VABM-B10-25E-G12-8      |
|                                                                                                                                                                                                                                                                                                                  | 9                                                                                                                                                                                                                                                                                                         |                                                                                    | 802625                                                                         | VABM-B10-25E-G12-9      |
|                                                                                                                                                                                                                                                                                                                  | 10                                                                                                                                                                                                                                                                                                        |                                                                                    | 8026251                                                                        | VABM-B10-25E-G12-10     |
|                                                                                                                                                                                                                                                                                                                  | Manifold block, extension module for standard manifold block                                                                                                                                                                                                                                              |                                                                                    |                                                                                |                         |
|                                                                                                                                                                                                                                 | For 3/2-way valves, including seals and screws for mounting valves                                                                                                                                                                                                                                        | 2                                                                                  | 8026316                                                                        | VABM-B10-25EEE-G12-2-P3 |
|                                                                                                                                                                                                                                | For 5/2-way and 5/3-way valves, including seals and screws for mounting valves                                                                                                                                                                                                                            | 2                                                                                  | 8026315                                                                        | VABM-B10-25EEE-G12-2    |
| Compact manifold block                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                           |                                                                                    |                                                                                |                         |
|                                                                                                                                                                                                                                | For 3/2-way valves, including seals and screws for mounting valves                                                                                                                                                                                                                                        | 2                                                                                  | ★ 8026297                                                                      | VABM-B10-25S-G38-2-P3   |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           | 3                                                                                  | 8026298                                                                        | VABM-B10-25S-G38-3-P3   |
|                                                                                                                                                                                                                                                                                                                  |  <b>Note</b><br>Blanking plugs for sealing the supply ports (1, 3 and 14) on one side are included in the scope of delivery.                                                                                           | 4                                                                                  | ★ 8026299                                                                      | VABM-B10-25S-G38-4-P3   |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           | 5                                                                                  | 8026300                                                                        | VABM-B10-25S-G38-5-P3   |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           | 6                                                                                  | ★ 8026301                                                                      | VABM-B10-25S-G38-6-P3   |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           | 7                                                                                  | 8026302                                                                        | VABM-B10-25S-G38-7-P3   |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           | 8                                                                                  | ★ 8026303                                                                      | VABM-B10-25S-G38-8-P3   |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           | 9                                                                                  | 8026304                                                                        | VABM-B10-25S-G38-9-P3   |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           | 10                                                                                 | ★ 8026305                                                                      | VABM-B10-25S-G38-10-P3  |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                           |  | For 5/2-way and 5/3-way valves, including seals and screws for mounting valves | 2                       |
| 3                                                                                                                                                                                                                                                                                                                | 8026262                                                                                                                                                                                                                                                                                                   |                                                                                    |                                                                                | VABM-B10-25S-G38-3      |
|  <b>Note</b><br>Blanking plugs for sealing the supply ports (1, 3, 5, 12 and 14) on one side are included in the scope of delivery.                                                                                           | 4                                                                                                                                                                                                                                                                                                         |                                                                                    | ★ 8026263                                                                      | VABM-B10-25S-G38-4      |
|                                                                                                                                                                                                                                                                                                                  | 5                                                                                                                                                                                                                                                                                                         |                                                                                    | 8026264                                                                        | VABM-B10-25S-G38-5      |
|                                                                                                                                                                                                                                                                                                                  | 6                                                                                                                                                                                                                                                                                                         |                                                                                    | ★ 8026265                                                                      | VABM-B10-25S-G38-6      |
|                                                                                                                                                                                                                                                                                                                  | 7                                                                                                                                                                                                                                                                                                         |                                                                                    | 8026266                                                                        | VABM-B10-25S-G38-7      |
|                                                                                                                                                                                                                                                                                                                  | 8                                                                                                                                                                                                                                                                                                         |                                                                                    | ★ 8026267                                                                      | VABM-B10-25S-G38-8      |
|                                                                                                                                                                                                                                                                                                                  | 9                                                                                                                                                                                                                                                                                                         |                                                                                    | 8026268                                                                        | VABM-B10-25S-G38-9      |
|                                                                                                                                                                                                                                                                                                                  | 10                                                                                                                                                                                                                                                                                                        |                                                                                    | ★ 8026269                                                                      | VABM-B10-25S-G38-10     |



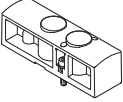
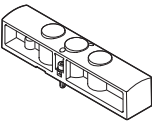
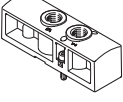
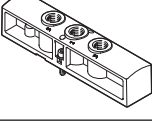
## Ordering data – Manifold block, size 25

| Ordering data                                                                     | Description                                                                | Valve positions | Part no.  | Type                    |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----------------|-----------|-------------------------|
| <b>Common supply manifold</b>                                                     |                                                                            |                 |           |                         |
|  | For mounting on both sides, including seals and screws for mounting valves | 2               | ★ 8026219 | VABM-B10-25-G12-2-P53   |
|                                                                                   |                                                                            | 3               | 8026220   | VABM-B10-25-G12-3-P53   |
|                                                                                   |                                                                            | 4               | ★ 8026221 | VABM-B10-25-G12-4-P53   |
|                                                                                   |                                                                            | 5               | 8026222   | VABM-B10-25-G12-5-P53   |
|                                                                                   |                                                                            | 6               | ★ 8026223 | VABM-B10-25-G12-6-P53   |
|                                                                                   |                                                                            | 7               | 8026224   | VABM-B10-25-G12-7-P53   |
|                                                                                   |                                                                            | 8               | ★ 8026225 | VABM-B10-25-G12-8-P53   |
|                                                                                   |                                                                            | 9               | 8026226   | VABM-B10-25-G12-9-P53   |
|                                                                                   |                                                                            | 10              | ★ 8026227 | VABM-B10-25-G12-10-P53  |
|  | For mounting on one side, including seals and screws for mounting valves   | 2               | 8026237   | VABM-B10-25-G12-2-P53-E |
|                                                                                   |                                                                            | 3               | 8026238   | VABM-B10-25-G12-3-P53-E |
|                                                                                   |                                                                            | 4               | 8026239   | VABM-B10-25-G12-4-P53-E |
|                                                                                   |                                                                            |                 |           |                         |

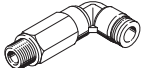
**Note**

Blanking plug for sealing the supply port (1) on one side included in the scope of delivery.

## Ordering data – Manifold block, size 25

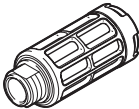
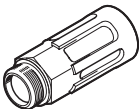
| Ordering data                                                                      | Description                                                   | Weight<br>[g] | Part no.  | Type                    |
|------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------|-----------|-------------------------|
| <b>Cover plate</b>                                                                 |                                                               |               |           |                         |
|    | For valve position on manifold block for 3/2-way valves       | 84            | ★ 8026210 | VABB-B10-25-E-P3        |
|    | For valve position on manifold block for 5/2-, 5/3-way valves | 117           | ★ 8026209 | VABB-B10-25-E           |
|    | For valve position on common supply manifold                  | 28            | ★ 8026208 | VABB-B10-25-A           |
| <b>Supply plate</b>                                                                |                                                               |               |           |                         |
|    | For valve position on manifold block for 3/2-way valves       | 80            | 8026319   | VABF-B10-25-P1A4-G14-P3 |
|   | For valve position on manifold block for 5/2-, 5/3-way valves | 110           | 8026318   | VABF-B10-25-P1A4-G14    |
| <b>Supply plate</b>                                                                |                                                               |               |           |                         |
|  | For valve position on common supply manifold                  | 26            | 8026317   | VABF-B10-25-P1-G14      |

## Ordering data – Manifold block, size 25

| Ordering data                                                                       |                                        | Description | Part no. | Type            | PU <sup>1)</sup> |
|-------------------------------------------------------------------------------------|----------------------------------------|-------------|----------|-----------------|------------------|
| <b>Push-in fitting with external hex</b>                                            |                                        |             |          |                 |                  |
|    | Connecting thread G3/8 for tubing O.D. | 16 mm       | 186347   | QS-G3/8-16      | 1                |
|                                                                                     | Connecting thread G1/2 for tubing O.D. | 16 mm       | 186105   | QS-G1/2-16      | 1                |
|                                                                                     |                                        |             | 132047   | QS-G1/2-16-20   | 20               |
| <b>Push-in fitting with internal hex</b>                                            |                                        |             |          |                 |                  |
|    | Connecting thread M5 for tubing O.D.   | 4 mm        | ★ 153315 | QSM-M5-4-I      | 10               |
|                                                                                     | Connecting thread G1/8 for tubing O.D. | 6 mm        | ★ 186107 | QS-G1/8-6-I     | 10               |
|                                                                                     |                                        |             | 133009   | QS-G1/8-6-I-100 | 100              |
|                                                                                     | Connecting thread G1/4 for tubing O.D. | 6 mm        | ★ 186108 | QS-G1/4-6-I     | 10               |
|                                                                                     |                                        | 8 mm        | ★ 186110 | QS-G1/4-8-I     | 10               |
|                                                                                     |                                        | 10 mm       | ★ 186112 | QS-G1/4-10-I    | 10               |
|                                                                                     | Connecting thread G3/8 for tubing O.D. | 8 mm        | ★ 186111 | QS-G3/8-8-I     | 10               |
|                                                                                     |                                        | 10 mm       | ★ 186113 | QS-G3/8-10-I    | 10               |
|                                                                                     |                                        | 12 mm       | ★ 186114 | QS-G3/8-12-I    | 10               |
|                                                                                     | Connecting thread G1/2 for tubing O.D. | 12 mm       | ★ 186115 | QS-G1/2-12-I    | 1                |
| <b>Angled push-in fitting with external hex</b>                                     |                                        |             |          |                 |                  |
|    | Connecting thread G1/4 for tubing O.D. | 6 mm        | ★ 186118 | QSL-G1/4-6      | 10               |
|                                                                                     |                                        |             | 132051   | QSL-G1/4-6-100  | 100              |
|                                                                                     |                                        | 8 mm        | ★ 186120 | QSL-G1/4-8      | 10               |
|                                                                                     |                                        |             | 132052   | QSL-G1/4-8-50   | 50               |
|                                                                                     |                                        | 10 mm       | ★ 186122 | QSL-G1/4-10     | 10               |
|                                                                                     | Connecting thread G3/8 for tubing O.D. | 8 mm        | 132053   | QSL-G1/4-10-50  | 50               |
|                                                                                     |                                        |             | ★ 186121 | QSL-G3/8-8      | 10               |
|                                                                                     |                                        | 10 mm       | 132055   | QSL-G3/8-8-50   | 50               |
|                                                                                     |                                        |             | ★ 186123 | QSL-G3/8-10     | 10               |
|                                                                                     |                                        | 12 mm       | 132056   | QSL-G3/8-10-20  | 20               |
|                                                                                     |                                        |             | ★ 186124 | QSL-G3/8-12     | 10               |
|                                                                                     |                                        | 16 mm       | 132057   | QSL-G3/8-12-20  | 20               |
|                                                                                     |                                        |             | 186348   | QSL-G3/8-16     | 1                |
|                                                                                     | Connecting thread G1/2 for tubing O.D. | 12 mm       | ★ 186125 | QSL-G1/2-12     | 1                |
|                                                                                     |                                        |             | 132058   | QSL-G1/2-12-20  | 20               |
|                                                                                     |                                        | 16 mm       | 186126   | QSL-G1/2-16     | 1                |
|                                                                                     |                                        |             | 132059   | QSL-G1/2-16-20  | 20               |
| <b>Angled push-in fitting, long, with external hex</b>                              |                                        |             |          |                 |                  |
|  | Connecting thread G1/4 for tubing O.D. | 6 mm        | 186129   | QSL-G1/4-6      | 10               |
|                                                                                     |                                        | 8 mm        | 186131   | QSL-G1/4-8      | 10               |
|                                                                                     |                                        | 10 mm       | 186133   | QSL-G1/4-10     | 10               |

1) Packaging unit

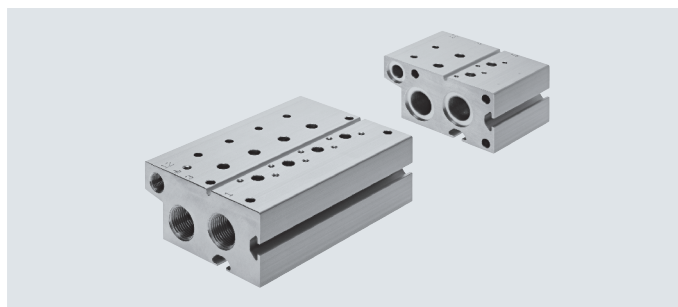
## Ordering data – Manifold block, size 25

| Ordering data                                                                      |                                                                                                | Description |           | Part no.      | Type | PU <sup>1)</sup> |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------|-----------|---------------|------|------------------|
| Silencer                                                                           |                                                                                                |             |           |               |      |                  |
|    | With connecting thread G, polymer design                                                       | G1/4        | ★ 2316    | U-1/4         | 1    |                  |
|                                                                                    |                                                                                                |             | 534223    | U-1/4-20      | 20   |                  |
|                                                                                    |                                                                                                | G3/8        | 534224    | U-3/8-20      | 20   |                  |
|    | With connecting thread G, metal design                                                         | G3/8        | 6843      | U-3/8-B       | 1    |                  |
|                                                                                    |                                                                                                | G1/2        | 6844      | U-1/2-B       | 1    |                  |
|    | With connecting thread G, sintered design, long                                                | G3/8        | ★ 1205862 | AMTE-M-LH-G38 | 10   |                  |
|                                                                                    |                                                                                                | G1/2        | ★ 1205863 | AMTE-M-LH-G12 | 10   |                  |
| Blanking plug                                                                      |                                                                                                |             |           |               |      |                  |
|    | With connecting thread                                                                         | G1/8        | ★ 3568    | B-1/8         | 10   |                  |
|                                                                                    |                                                                                                |             | 534213    | B-1/8-100     | 100  |                  |
|                                                                                    |                                                                                                | G3/8        | ★ 3570    | B-3/8         | 10   |                  |
|                                                                                    |                                                                                                |             | 534215    | B-3/8-20      | 20   |                  |
|                                                                                    |                                                                                                | G1/2        | ★ 3571    | B-1/2         | 10   |                  |
|                                                                                    |                                                                                                |             | 534216    | B-1/2-20      | 20   |                  |
| Separator                                                                          |                                                                                                |             |           |               |      |                  |
|   | For creating pressure zones                                                                    | G1/8        | 569995    | VABD-8-B      | 1    |                  |
|                                                                                    |                                                                                                | G3/8        | 574483    | VABD-14-B     | 1    |                  |
|                                                                                    |                                                                                                | G1/2        | 8022483   | VABD-17.5-B   | 1    |                  |
| H-rail mounting                                                                    |                                                                                                |             |           |               |      |                  |
|  | For mounting the valve manifold assembly on standard H-rail TH 35-7.5 or TH 35-15, to EN 60715 |             | 2636436   | VAME-T-M5     | 2    |                  |

1) Packaging unit

## Technical data – Manifold block, size 30

-  - Flow rate  
up to 2300 l/min



| General technical data                       |      | Standard manifold block |          | Extension module for standard manifold block |          | Compact manifold block |          | Common supply manifold |             |
|----------------------------------------------|------|-------------------------|----------|----------------------------------------------|----------|------------------------|----------|------------------------|-------------|
|                                              |      | 3/2                     | 5/2, 5/3 | 3/2                                          | 5/2, 5/3 | 3/2                    | 5/2, 5/3 | on both sides          | on one side |
| For valve function                           |      | 3/2                     | 5/2, 5/3 | 3/2                                          | 5/2, 5/3 | 3/2                    | 5/2, 5/3 | 3/2, 5/2, 5/3          |             |
| Grid dimension                               | [mm] | 32                      |          |                                              |          |                        |          |                        |             |
| Type of mounting                             |      | With through-hole       |          |                                              |          |                        |          | Via mounting bracket   |             |
| Max. number of valve positions               |      | 10                      | 10       | 2                                            | 2        | 10                     |          | 10                     | 4           |
| Port 1                                       |      | G3/4                    | G3/4     | G3/4                                         | G3/4     | G1/2                   | G1/2     | G3/4                   | G3/4        |
| Port 3                                       |      | G3/4                    | G3/4     | G3/4                                         | G3/4     | G1/2                   | G1/2     | –                      | –           |
| Port 5                                       |      | –                       | G3/4     | –                                            | G3/4     | –                      | G1/2     | –                      | –           |
| Port 12                                      |      | G1/8                    | G1/8     | G1/8                                         | G1/8     | –                      | –        | –                      | –           |
| Port 14                                      |      | –                       | G1/8     | –                                            | G1/8     | –                      | –        | –                      | –           |
| Corrosion resistance class CRC <sup>1)</sup> |      | 2                       |          |                                              |          |                        |          |                        |             |

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

| Weight [g]                                                                    |      |      |      |      |      |      |      |      |      |
|-------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|
| Valve positions                                                               | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   |
| <b>Manifold block for 3/2-way valves, standard</b>                            |      |      |      |      |      |      |      |      |      |
| VABM-B10-30E-G34-...-P3                                                       | 1411 | 1828 | 2245 | 2662 | 3079 | 3496 | 3913 | 4330 | 4747 |
| <b>Manifold block, extension module for 3/2-way valves, standard</b>          |      |      |      |      |      |      |      |      |      |
| VABM-B10-30EEE-G34-2-P3                                                       | 1111 | –    | –    | –    | –    | –    | –    | –    | –    |
| <b>Manifold block for 5/2- and 5/3-way valves, standard</b>                   |      |      |      |      |      |      |      |      |      |
| VABM-B10-30E-G34-...                                                          | 1722 | 2213 | 2703 | 3194 | 3684 | 4175 | 4665 | 5156 | 5646 |
| <b>Manifold block, extension module for 5/2- and 5/3-way valves, standard</b> |      |      |      |      |      |      |      |      |      |
| VABM-B10-30EEE-G34-2                                                          | 1318 | –    | –    | –    | –    | –    | –    | –    | –    |
| <b>Manifold block for 3/2-way valves, compact</b>                             |      |      |      |      |      |      |      |      |      |
| VABM-B10-30S-G12-...-P3                                                       | 652  | 872  | 1093 | 1313 | 1533 | 1753 | 1973 | 2193 | 2413 |
| <b>Manifold block for 5/2- and 5/3-way valves, compact</b>                    |      |      |      |      |      |      |      |      |      |
| VABM-B10-30S-G12-...                                                          | 759  | 1013 | 1267 | 1522 | 1776 | 2030 | 2285 | 2539 | 2793 |
| <b>Common supply manifold for mounting on both sides</b>                      |      |      |      |      |      |      |      |      |      |
| VABM-B10-30-G34-...-P53                                                       | 818  | 977  | 1135 | 1293 | 1452 | 1610 | 1768 | 1927 | 2085 |
| <b>Common supply manifold for mounting on one side</b>                        |      |      |      |      |      |      |      |      |      |
| VABM-B10-30-G34-2-P53-E                                                       | 852  | 1011 | 1169 | –    | –    | –    | –    | –    | –    |

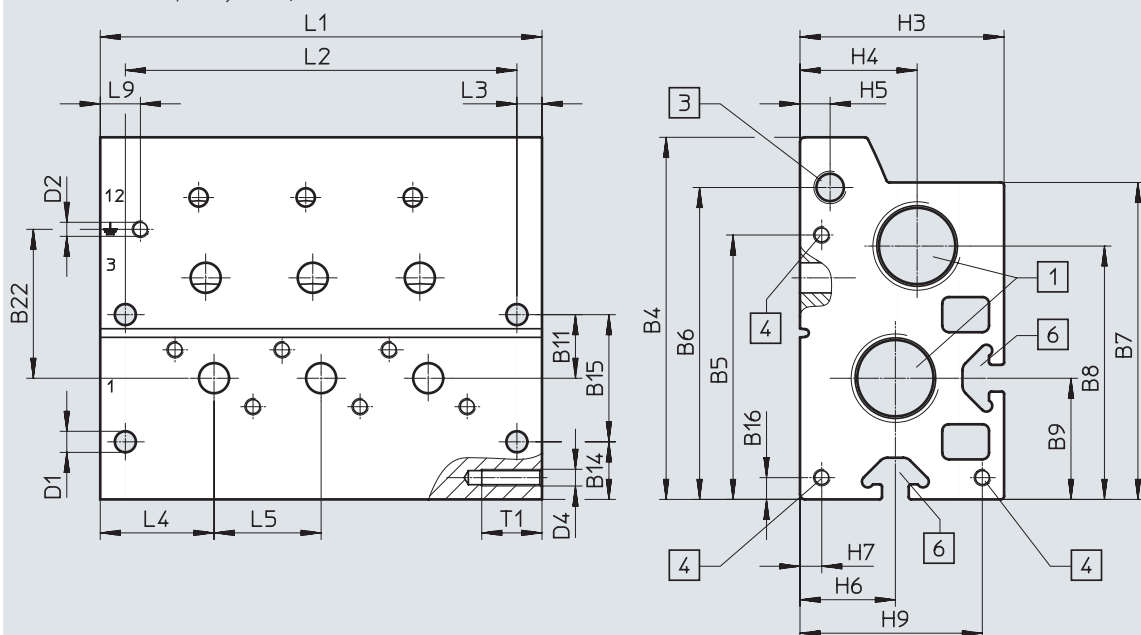
## Technical data – Manifold block, size 30

| Materials         |                         |
|-------------------|-------------------------|
| Manifold rail     | Wrought aluminium alloy |
| Note on materials | RoHS-compliant          |

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

Manifold block for 3/2-way valves, standard



[1] Ports 1 and 3: G3/4

[3] Port 12: G1/8

[4] Thread M5x18 for extension  
module

[6] Profile slot IPM-08 system 8

| Type                    | B4    | B5 | B6   | B7   | B8   | B9   | B11 | B14  | B15 | B16 | B22  |
|-------------------------|-------|----|------|------|------|------|-----|------|-----|-----|------|
| VABM-B10-30E-G34-...-P3 | 108.2 | 79 | 93.2 | 94.7 | 75.7 | 36.2 | 19  | 17.2 | 38  | 6.5 | 44.5 |

| Type                    | D1 ø | D2    | D4 | H3 | H4 | H5 | H6   | H7  | H9   | L3  | L4 | L5 | L9 | T1 |
|-------------------------|------|-------|----|----|----|----|------|-----|------|-----|----|----|----|----|
| VABM-B10-30E-G34-...-P3 | 6.3  | M5x11 | M5 | 61 | 35 | 9  | 28.5 | 6.5 | 54.5 | 7.5 | 34 | 32 | 12 | 18 |

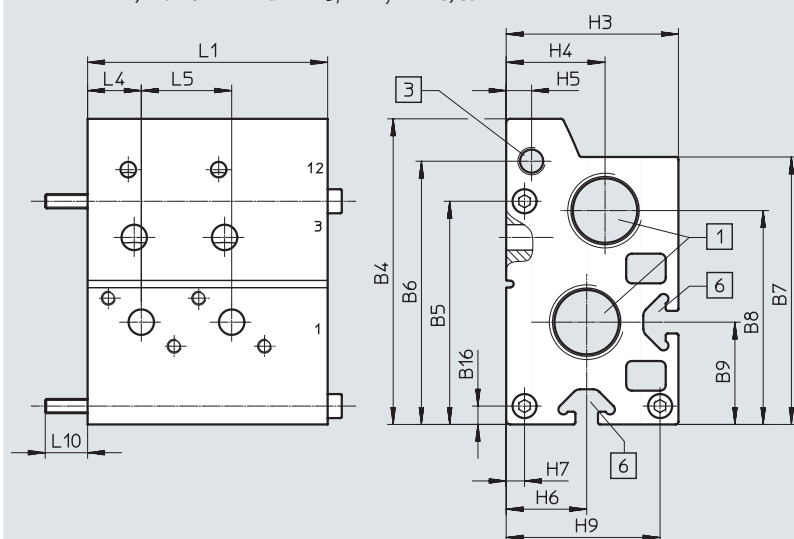
| Valve positions | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| L1              | 100 | 132 | 164 | 196 | 228 | 260 | 292 | 324 | 356 |
| L2              | 85  | 117 | 149 | 181 | 213 | 245 | 277 | 309 | 341 |

### Technical data – Manifold block, size 30

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

Manifold block, extension module for 3/2-way valves, standard



[1] Ports 1 and 3: G3/4

[3] Port 12: G1/8

[6] Profile slot IPM-08 system 8

| Type                    | B4    | B5 | B6   | B7   | B8   | B9   | B16 | H3 |
|-------------------------|-------|----|------|------|------|------|-----|----|
| VABM-B10-30EEE-G34-2-P3 | 108.2 | 79 | 93.2 | 94.7 | 75.7 | 36.2 | 6.5 | 61 |

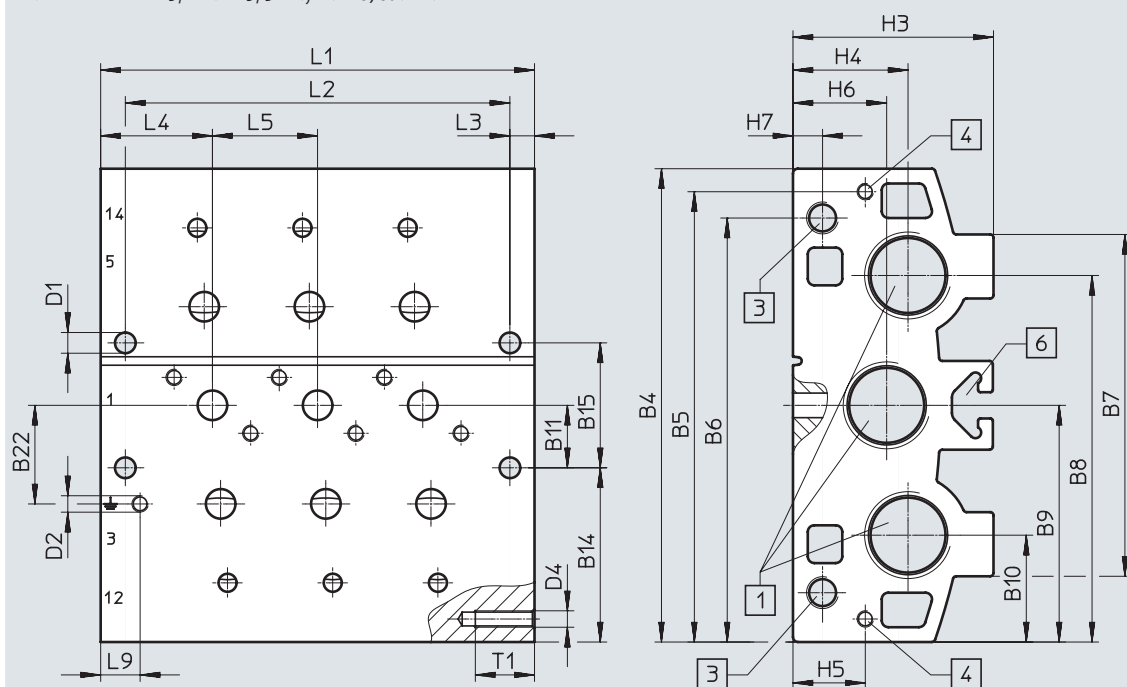
| Type                    | H4 | H5 | H6   | H7  | H9   | L4 | L5 | L10 | L1 |
|-------------------------|----|----|------|-----|------|----|----|-----|----|
| VABM-B10-30EEE-G34-2-P3 | 35 | 9  | 28.5 | 6.5 | 54.5 | 19 | 32 | 15  | 85 |

## Technical data – Manifold block, size 30

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

Manifold block for 5/2- and 5/3-way valves, standard



[1] Ports 1, 3 and 5: G3/4

[3] Ports 12 and 14: G1/8

[4] Thread M5x18 for extension module

[6] Profile slot IPM-08 system 8

| Type                 | B4  | B5  | B6  | B7  | B8    | B9 | B10  | B11 | B14 | B15 | B22 |
|----------------------|-----|-----|-----|-----|-------|----|------|-----|-----|-----|-----|
| VABM-B10-30E-G34-... | 144 | 137 | 129 | 104 | 111.5 | 72 | 32.5 | 19  | 53  | 38  | 30  |

| Type                 | D1 ø | D2    | D4 | H3 | H4 | H5 | H6   | H7 | L3  | L4 | L5 | L9 | T1 |
|----------------------|------|-------|----|----|----|----|------|----|-----|----|----|----|----|
| VABM-B10-30E-G34-... | 6.3  | M5x11 | M5 | 61 | 35 | 22 | 28.5 | 9  | 7.5 | 34 | 32 | 12 | 18 |

| Valve positions | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| L1              | 100 | 132 | 164 | 196 | 228 | 260 | 292 | 324 | 356 |
| L2              | 85  | 117 | 149 | 181 | 213 | 245 | 277 | 309 | 341 |

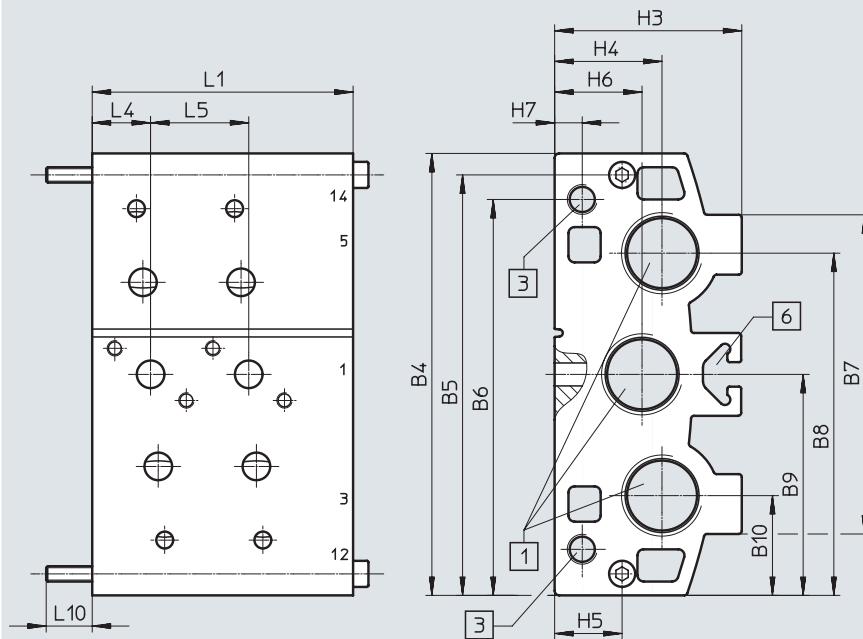


## Technical data – Manifold block, size 30

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

Manifold block, extension module for 5/2- and 5/3-way valves, standard



[1] Ports 1, 3 and 5: G3/4

[3] Ports 12 and 14: G1/8

[6] Profile slot IPM-08 system 8

| Type                 | B4  | B5  | B6  | B7  | B8    | B9 | B10  | H3 |
|----------------------|-----|-----|-----|-----|-------|----|------|----|
| VABM-B10-30EEE-G34-2 | 144 | 137 | 129 | 104 | 111.5 | 72 | 32.5 | 61 |

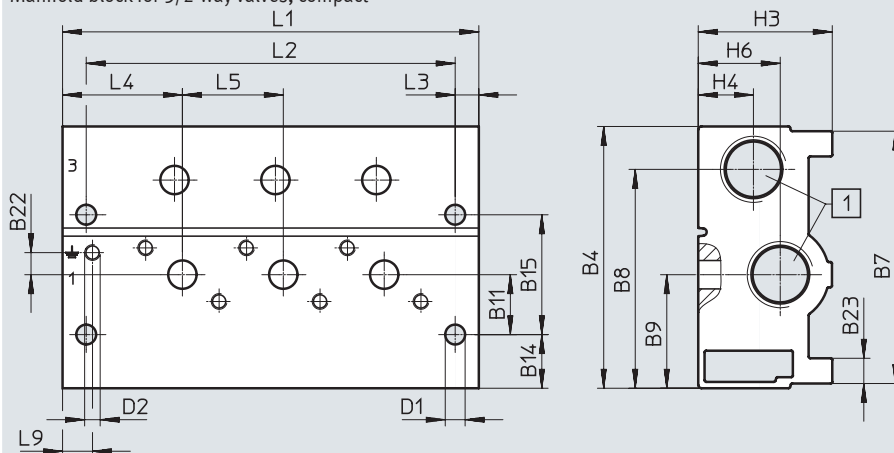
| Type                 | H4 | H5 | H6   | H7 | L1 | L4 | L5 | L10 |
|----------------------|----|----|------|----|----|----|----|-----|
| VABM-B10-30EEE-G34-2 | 35 | 22 | 28.5 | 9  | 85 | 19 | 32 | 15  |

## Technical data – Manifold block, size 30

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

Manifold block for 3/2-way valves, compact



[1] Ports 1 and 3: G1/2

| Type                    | B4 | B7 | B8   | B9 | B11 | B14 | B15 | B22 | B23 |
|-------------------------|----|----|------|----|-----|-----|-----|-----|-----|
| VABM-B10-30S-G12-...-P3 | 83 | 80 | 69.4 | 36 | 19  | 17  | 38  | 7   | 8   |

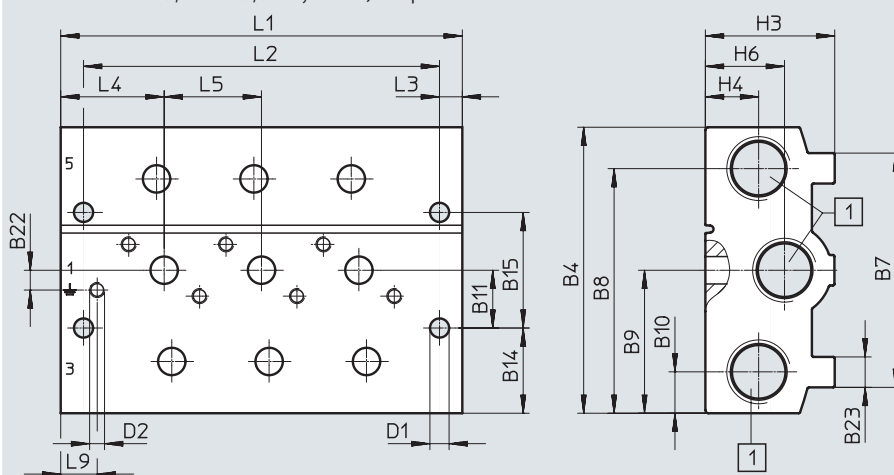
| Type                    | D1 ø | D2    | H3   | H4   | H6 | L3  | L4 | L5 | L9 |
|-------------------------|------|-------|------|------|----|-----|----|----|----|
| VABM-B10-30S-G12-...-P3 | 6.3  | M5x11 | 42.5 | 17.5 | 26 | 7.5 | 38 | 32 | 12 |

| Valve positions | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| L1              | 100 | 132 | 164 | 196 | 228 | 260 | 292 | 324 | 356 |
| L2              | 85  | 117 | 149 | 181 | 213 | 245 | 277 | 309 | 341 |

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

Manifold block for 5/2- and 5/3-way valves, compact



[1] Ports 1, 3 and 5: G1/2

| Type                 | B4 | B7 | B8   | B9 | B10  | B11 | B14 | B15 | B22 | B23 |
|----------------------|----|----|------|----|------|-----|-----|-----|-----|-----|
| VABM-B10-30S-G12-... | 94 | 77 | 80.4 | 47 | 13.6 | 19  | 28  | 38  | 6.5 | 10  |

| Type                 | D1 ø | D2    | H3   | H4   | H6 | L3  | L4 | L5 | L9 |
|----------------------|------|-------|------|------|----|-----|----|----|----|
| VABM-B10-30S-G12-... | 6.3  | M5x11 | 42.5 | 17.5 | 26 | 7.5 | 34 | 32 | 12 |

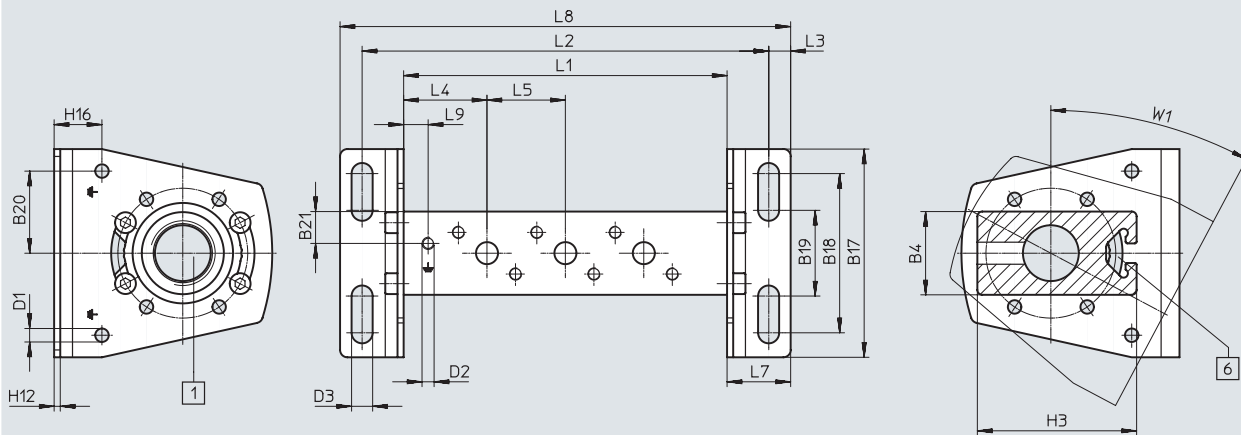
| Valve positions | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| L1              | 100 | 132 | 164 | 196 | 228 | 260 | 292 | 324 | 356 |
| L2              | 85  | 117 | 149 | 181 | 213 | 245 | 277 | 309 | 341 |

## Technical data – Manifold block, size 30

## Dimensions

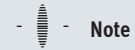
Download CAD data → [www.festo.com](http://www.festo.com)

Common supply manifold, mounting on both sides



[1] Port 1: G3/4

[6] Profile slot IPM-08 system 8

**Note**Mounting bracket can be adjusted through  $\pm 30^\circ$ .

| Type                    | B4 | B17 | B18 | B19 | B20  | B21 | D1 $\varnothing$ | D2    | D3 $\varnothing$ |
|-------------------------|----|-----|-----|-----|------|-----|------------------|-------|------------------|
| VABM-B10-30-G34-...-P53 | 34 | 85  | 65  | 35  | 33.5 | 13  | 5.5              | M5x11 | 8.6              |

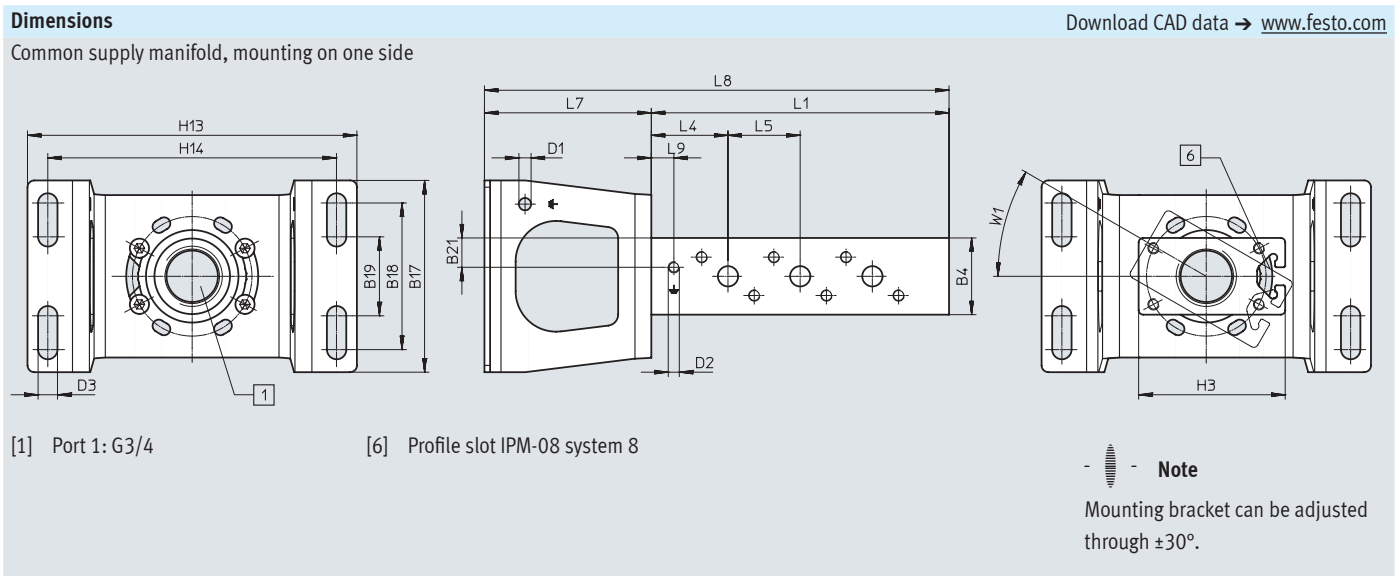
  

| Type                    | H3 | H12 | H16  | L3 | L4 | L5 | L7 | L9 | W1  |
|-------------------------|----|-----|------|----|----|----|----|----|-----|
| VABM-B10-30-G34-...-P53 | 65 | 2.5 | 19.5 | 9  | 34 | 32 | 26 | 10 | 30° |

| Valve positions | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| L1              | 100 | 132 | 164 | 196 | 228 | 260 | 292 | 324 | 356 |
| L2              | 134 | 166 | 198 | 230 | 262 | 294 | 326 | 358 | 390 |
| L8              | 152 | 184 | 216 | 248 | 280 | 312 | 344 | 376 | 408 |

Technical data – Manifold block, size 30

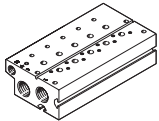
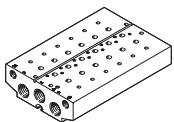
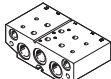
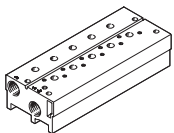
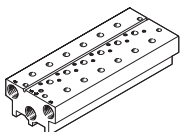


|                           |    |     |     |     |     |      |       |     |
|---------------------------|----|-----|-----|-----|-----|------|-------|-----|
| Type                      | B4 | B17 | B18 | B19 | B21 | D1 ø | D2    | D3ø |
| VABM-B10-30-G34-...-P53-E | 34 | 85  | 65  | 35  | 13  | 5.5  | M5x11 | 8.6 |

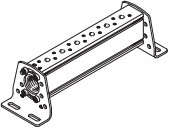
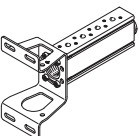
|                           |    |     |     |    |    |    |    |     |
|---------------------------|----|-----|-----|----|----|----|----|-----|
| Type                      | H3 | H13 | H14 | L4 | L5 | L7 | L9 | W1  |
| VABM-B10-30-G34-...-P53-E | 65 | 146 | 128 | 34 | 32 | 74 | 10 | 30° |

|                 |     |  |     |  |     |  |
|-----------------|-----|--|-----|--|-----|--|
| Valve positions | 2   |  | 3   |  | 4   |  |
| L1              | 100 |  | 132 |  | 164 |  |
| L8              | 168 |  | 200 |  | 232 |  |

## Ordering data – Manifold block, size 30

| Ordering data – Manifold block                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                            |                                                                                     |                                                                                |                         |                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------|--------------------|
|                                                                                                                                                                                                                                                                                                                                                                   | Description                                                                                                                                                                                                                                                                                                                                                | Valve positions                                                                     | Part no.                                                                       | Type                    |                    |
| Standard manifold block                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                            |                                                                                     |                                                                                |                         |                    |
|                                                                                                                                                                                                                                                                                  | For 3/2-way valves, including seals and screws for mounting valves                                                                                                                                                                                                                                                                                         | 2                                                                                   | 8026395                                                                        | VABM-B10-30E-G34-2-P3   |                    |
|                                                                                                                                                                                                                                                                                                                                                                   |  <b>Note</b><br><ul style="list-style-type: none"><li>Blanking plugs for sealing the supply ports (1, 3 and 14) on one side are included in the scope of delivery.</li><li>Screw set (part number 8026203) to be ordered together with solenoid valves VUVS-LK.</li></ul> | 3                                                                                   | 8026396                                                                        | VABM-B10-30E-G34-3-P3   |                    |
|                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                            | 4                                                                                   | 8026397                                                                        | VABM-B10-30E-G34-4-P3   |                    |
|                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                            | 5                                                                                   | 8026398                                                                        | VABM-B10-30E-G34-5-P3   |                    |
|                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                            | 6                                                                                   | 8026399                                                                        | VABM-B10-30E-G34-6-P3   |                    |
|                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                            | 7                                                                                   | 8026400                                                                        | VABM-B10-30E-G34-7-P3   |                    |
|                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                            | 8                                                                                   | 8026401                                                                        | VABM-B10-30E-G34-8-P3   |                    |
|                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                            | 9                                                                                   | 8026402                                                                        | VABM-B10-30E-G34-9-P3   |                    |
|                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                            | 10                                                                                  | 8026403                                                                        | VABM-B10-30E-G34-10-P3  |                    |
|                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                            |    | For 5/2-way and 5/3-way valves, including seals and screws for mounting valves | 2                       | 8026359            |
|  <b>Note</b><br><ul style="list-style-type: none"><li>Blanking plugs for sealing the supply ports (1, 3, 5, 12 and 14) on one side are included in the scope of delivery.</li><li>Screw set (part number 8026203) to be ordered together with solenoid valves VUVS-LK.</li></ul> |                                                                                                                                                                                                                                                                                                                                                            |                                                                                     | 3                                                                              | 8026360                 | VABM-B10-30E-G34-3 |
|                                                                                                                                                                                                                                                                                                                                                                   | 4                                                                                                                                                                                                                                                                                                                                                          |                                                                                     | 8026361                                                                        | VABM-B10-30E-G34-4      |                    |
|                                                                                                                                                                                                                                                                                                                                                                   | 5                                                                                                                                                                                                                                                                                                                                                          |                                                                                     | 8026362                                                                        | VABM-B10-30E-G34-5      |                    |
|                                                                                                                                                                                                                                                                                                                                                                   | 6                                                                                                                                                                                                                                                                                                                                                          |                                                                                     | 8026363                                                                        | VABM-B10-30E-G34-6      |                    |
|                                                                                                                                                                                                                                                                                                                                                                   | 7                                                                                                                                                                                                                                                                                                                                                          |                                                                                     | 8026364                                                                        | VABM-B10-30E-G34-7      |                    |
|                                                                                                                                                                                                                                                                                                                                                                   | 8                                                                                                                                                                                                                                                                                                                                                          |                                                                                     | 8026365                                                                        | VABM-B10-30E-G34-8      |                    |
|                                                                                                                                                                                                                                                                                                                                                                   | 9                                                                                                                                                                                                                                                                                                                                                          |                                                                                     | 8026366                                                                        | VABM-B10-30E-G34-9      |                    |
|                                                                                                                                                                                                                                                                                                                                                                   | 10                                                                                                                                                                                                                                                                                                                                                         |                                                                                     | 8026367                                                                        | VABM-B10-30E-G34-10     |                    |
|                                                                                                                                                                                                                                                                                                                                                                   | Manifold block, extension module for standard manifold block                                                                                                                                                                                                                                                                                               |                                                                                     |                                                                                |                         |                    |
|                                                                                                                                                                                                                                                                                 | For 3/2-way valves, including seals and screws for mounting valves                                                                                                                                                                                                                                                                                         | 2                                                                                   | 8026432                                                                        | VABM-B10-30EEE-G34-2-P3 |                    |
|                                                                                                                                                                                                                                                                                | For 5/2-way and 5/3-way valves, including seals and screws for mounting valves                                                                                                                                                                                                                                                                             | 2                                                                                   | 8026431                                                                        | VABM-B10-30EEE-G34-2    |                    |
| Compact manifold block                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                            |                                                                                     |                                                                                |                         |                    |
|                                                                                                                                                                                                                                                                                | For 3/2-way valves, including seals and screws for mounting valves                                                                                                                                                                                                                                                                                         | 2                                                                                   | ★ 8026413                                                                      | VABM-B10-30S-G12-2-P3   |                    |
|                                                                                                                                                                                                                                                                                                                                                                   |  <b>Note</b><br>Blanking plugs for sealing the supply ports (1, 3 and 14) on one side are included in the scope of delivery.                                                                                                                                            | 3                                                                                   | 8026414                                                                        | VABM-B10-30S-G12-3-P3   |                    |
|                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                            | 4                                                                                   | ★ 8026415                                                                      | VABM-B10-30S-G12-4-P3   |                    |
|                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                            | 5                                                                                   | 8026416                                                                        | VABM-B10-30S-G12-5-P3   |                    |
|                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                            | 6                                                                                   | ★ 8026417                                                                      | VABM-B10-30S-G12-6-P3   |                    |
|                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                            | 7                                                                                   | 8026418                                                                        | VABM-B10-30S-G12-7-P3   |                    |
|                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                            | 8                                                                                   | ★ 8026419                                                                      | VABM-B10-30S-G12-8-P3   |                    |
|                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                            | 9                                                                                   | 8026420                                                                        | VABM-B10-30S-G12-9-P3   |                    |
|                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                            | 10                                                                                  | ★ 8026421                                                                      | VABM-B10-30S-G12-10-P3  |                    |
|                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                            |  | For 5/2-way and 5/3-way valves, including seals and screws for mounting valves | 2                       | ★ 8026377          |
|  <b>Note</b><br>Blanking plugs for sealing the supply ports (1, 3, 5, 12 and 14) on one side are included in the scope of delivery.                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                            |                                                                                     | 3                                                                              | 8026378                 | VABM-B10-30S-G12-3 |
|                                                                                                                                                                                                                                                                                                                                                                   | 4                                                                                                                                                                                                                                                                                                                                                          |                                                                                     | ★ 8026379                                                                      | VABM-B10-30S-G12-4      |                    |
|                                                                                                                                                                                                                                                                                                                                                                   | 5                                                                                                                                                                                                                                                                                                                                                          |                                                                                     | 8026380                                                                        | VABM-B10-30S-G12-5      |                    |
|                                                                                                                                                                                                                                                                                                                                                                   | 6                                                                                                                                                                                                                                                                                                                                                          |                                                                                     | ★ 8026381                                                                      | VABM-B10-30S-G12-6      |                    |
|                                                                                                                                                                                                                                                                                                                                                                   | 7                                                                                                                                                                                                                                                                                                                                                          |                                                                                     | 8026382                                                                        | VABM-B10-30S-G12-7      |                    |
|                                                                                                                                                                                                                                                                                                                                                                   | 8                                                                                                                                                                                                                                                                                                                                                          |                                                                                     | ★ 8026383                                                                      | VABM-B10-30S-G12-8      |                    |
|                                                                                                                                                                                                                                                                                                                                                                   | 9                                                                                                                                                                                                                                                                                                                                                          |                                                                                     | 8026384                                                                        | VABM-B10-30S-G12-9      |                    |
|                                                                                                                                                                                                                                                                                                                                                                   | 10                                                                                                                                                                                                                                                                                                                                                         |                                                                                     | ★ 8026385                                                                      | VABM-B10-30S-G12-10     |                    |

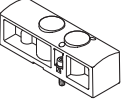
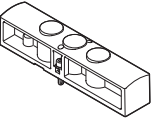
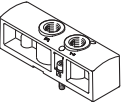
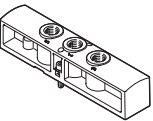
## Ordering data – Manifold block, size 30

| Ordering data                                                                    | Description                                                                | Valve positions | Part no.  | Type                    |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----------------|-----------|-------------------------|
| <b>Common supply manifold</b>                                                    |                                                                            |                 |           |                         |
|  | For mounting on both sides, including seals and screws for mounting valves | 2               | ★ 8026338 | VABM-B10-30-G34-2-P53   |
|                                                                                  |                                                                            | 3               | 8026339   | VABM-B10-30-G34-3-P53   |
|                                                                                  |                                                                            | 4               | ★ 8026340 | VABM-B10-30-G34-4-P53   |
|                                                                                  |                                                                            | 5               | 8026341   | VABM-B10-30-G34-5-P5    |
|                                                                                  |                                                                            | 6               | ★ 8026342 | VABM-B10-30-G34-6-P53   |
|                                                                                  |                                                                            | 7               | 8026343   | VABM-B10-30-G34-7-P53   |
|                                                                                  |                                                                            | 8               | ★ 8026344 | VABM-B10-30-G34-8-P53   |
|                                                                                  |                                                                            | 9               | 8026345   | VABM-B10-30-G34-9-P53   |
|                                                                                  |                                                                            | 10              | ★ 8026346 | VABM-B10-30-G34-10-P53  |
|                                                                                  |                                                                            |                 |           |                         |
|  | For mounting on one side, including seals and screws for mounting valves   | 2               | 8026356   | VABM-B10-30-G34-2-P53-E |
|                                                                                  |                                                                            | 3               | 8026357   | VABM-B10-30-G34-3-P53-E |
|                                                                                  |                                                                            | 4               | 8026358   | VABM-B10-30-G34-4-P53-E |
|                                                                                  |                                                                            |                 |           |                         |

 **Note**

Blanking plug for sealing the supply port (1) on one side included in the scope of delivery.

## Ordering data – Manifold block, size 30

| Ordering data                                                                       | Description                                                   | Weight<br>[g] | Part no.  | Type                    |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------|-----------|-------------------------|
| <b>Cover plate</b>                                                                  |                                                               |               |           |                         |
|    | For valve position on manifold block for 3/2-way valves       | 128           | ★ 8026336 | VABB-B10-30-E-P3        |
|    | For valve position on manifold block for 5/2-, 5/3-way valves | 179           | ★ 8026335 | VABB-B10-30-E           |
|    | For valve position on common supply manifold                  | 43            | ★ 8026334 | VABB-B10-30-A           |
| <b>Supply plate</b>                                                                 |                                                               |               |           |                         |
|    | For valve position on manifold block for 3/2-way valves       | 121           | 8026435   | VABF-B10-30-P1A4-G38-P3 |
|   | For valve position on manifold block for 5/2-, 5/3-way valves | 167           | 8026434   | VABF-B10-30-P1A4-G38    |
| <b>Supply plate</b>                                                                 |                                                               |               |           |                         |
|  | For valve position on common supply manifold                  | 40            | 8026433   | VABF-B10-30-P1-G38      |

## Ordering data – Manifold block, size 30

| Ordering data                                                                      |                                                            | Description | Part no.       | Type            | PU <sup>1)</sup> |
|------------------------------------------------------------------------------------|------------------------------------------------------------|-------------|----------------|-----------------|------------------|
| Push-in fitting with internal hex                                                  |                                                            |             |                |                 |                  |
|    | Connecting thread G1/8 for tubing O.D.                     | 4 mm        | ★ 186106       | QS-G1/8-4-I     | 10               |
|                                                                                    |                                                            |             | 133008         | QS-G1/8-4-I-100 | 100              |
|                                                                                    |                                                            | 6 mm        | ★ 186107       | QS-G1/8-6-I     | 10               |
|                                                                                    |                                                            |             | 133009         | QS-G1/8-6-I-100 | 100              |
|                                                                                    | Connecting thread G3/8 for tubing O.D.                     | 8 mm        | ★ 186111       | QS-G3/8-8-I     | 10               |
|                                                                                    |                                                            | 10 mm       | ★ 186113       | QS-G3/8-10-I    | 10               |
|                                                                                    |                                                            | 12 mm       | ★ 186114       | QS-G3/8-12-I    | 10               |
|                                                                                    | Connecting thread G1/2 for tubing O.D.                     | 12 mm       | ★ 186115       | QS-G1/2-12-I    | 1                |
| Push-in fitting with external hex                                                  |                                                            |             |                |                 |                  |
|    | Connecting thread G1/2 for tubing O.D.                     | 16 mm       | 186105         | QS-G1/2-16      | 1                |
|                                                                                    |                                                            |             | 132047         | QS-G1/2-16-20   | 20               |
| Angled push-in fitting with external hex                                           |                                                            |             |                |                 |                  |
|    | Connecting thread G3/8 for tubing O.D.                     | 8 mm        | ★ 186121       | QSL-G3/8-8      | 10               |
|                                                                                    |                                                            |             | 132055         | QSL-G3/8-8-50   | 50               |
|                                                                                    |                                                            | 10 mm       | ★ 186123       | QSL-G3/8-10     | 10               |
|                                                                                    |                                                            |             | 132056         | QSL-G3/8-10-20  | 20               |
|                                                                                    |                                                            | 12 mm       | ★ 186124       | QSL-G3/8-12     | 10               |
|                                                                                    |                                                            |             | 132057         | QSL-G3/8-12-20  | 20               |
|                                                                                    | Connecting thread G1/2 for tubing O.D.                     | 12 mm       | ★ 186125       | QSL-G1/2-12     | 1                |
|                                                                                    |                                                            | 16 mm       | ★ 186126       | QSL-G1/2-16     | 1                |
|                                                                                    |                                                            | 132058      | QSL-G1/2-12-20 | 20              |                  |
|                                                                                    |                                                            | 132059      | QSL-G1/2-16-20 | 20              |                  |
| Angled push-in fitting, long, with external hex                                    |                                                            |             |                |                 |                  |
|  | Connecting thread G1/2 for tubing O.D.                     | 8 mm        | 186132         | QSL-G3/8-8      | 10               |
|                                                                                    |                                                            | 10 mm       | 186134         | QSL-G3/8-10     | 10               |
|                                                                                    |                                                            | 12 mm       | 186135         | QSL-G3/8-12     | 10               |
| Barbed fitting with external hex                                                   |                                                            |             |                |                 |                  |
|  | Connecting thread G3/4 for tubing I.D.<br>Aluminium design | 13 mm       | 3612           | N-3/4-P-13      | 1                |
|                                                                                    |                                                            | 19 mm       | 3613           | N-3/4-P-19      | 1                |
|                                                                                    | Connecting thread G3/4 for tubing I.D.<br>Brass design     | 13 mm       | 15637          | N-3/4-P-13-MS   | 1                |
|                                                                                    |                                                            | 19 mm       | 15638          | N-3/4-P-19-MS   | 1                |

1) Packaging unit



## Ordering data – Manifold block, size 30

| Ordering data                                                                       |                                                                                 | Description | Part no.  | Type          | PU <sup>1)</sup> |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------|-----------|---------------|------------------|
| Silencer                                                                            |                                                                                 |             |           |               |                  |
|    | With connecting thread G, polymer design                                        | G3/8        | 534224    | U-3/8-20      | 20               |
|    | With connecting thread G, metal design                                          | G1/2        | 6844      | U-1/2-B       | 1                |
|                                                                                     |                                                                                 | G3/4        | 6845      | U-3/4-B       | 1                |
|                                                                                     |                                                                                 | G3/8        | 6843      | U-3/8-B       | 1                |
|    | With connecting thread G, sintered design, long                                 | G1/2        | ★ 1205863 | AMTE-M-LH-G12 | 10               |
|                                                                                     |                                                                                 | G3/4        | 1205864   | AMTE-M-LH-G34 | 10               |
| Blanking plug                                                                       |                                                                                 |             |           |               |                  |
|    | With connecting thread                                                          | G1/8        | ★ 3568    | B-1/8         | 10               |
|                                                                                     |                                                                                 |             | 534213    | B-1/8-100     | 100              |
|                                                                                     |                                                                                 | G1/2        | ★ 3571    | B-1/2         | 10               |
|                                                                                     |                                                                                 |             | 534216    | B-1/2-20      | 20               |
|                                                                                     |                                                                                 | G3/4        | ★ 3572    | B-3/4         | 10               |
| Separator                                                                           |                                                                                 |             |           |               |                  |
|    | For creating pressure zones                                                     | G1/8        | 569995    | VABD-8-B      | 1                |
|                                                                                     |                                                                                 | G1/2        | 8022483   | VABD-17.5-B   | 1                |
|                                                                                     |                                                                                 | G3/4        | 8022484   | VABD-22.7-B   | 1                |
| H-rail mounting                                                                     |                                                                                 |             |           |               |                  |
|  | For size 30, for mounting on standard H-rails TH 35-7.5 or TH 35-15 to EN 60715 |             | 3488412   | VAME-T-M6     | 2                |

1) Packaging unit

Festo - Your Partner in Automation



**1 Festo Inc.**  
5300 Explorer Drive  
Mississauga, ON L4W 5G4  
Canada

**Festo Customer Interaction Center**  
Tel: 1 877 463 3786  
Fax: 1 877 393 3786  
Email: customer.service.ca@festo.com



**2 Festo Pneumatic**  
Av. Ceylán 3,  
Col. Tequesquináhuac  
54020 Tlalnepantla,  
Estado de México

**Multinational Contact Center**  
01 800 337 8669  
ventas.mexico@festo.com



**3 Festo Corporation**  
1377 Motor Parkway  
Suite 310  
Islandia, NY 11749

**Festo Customer Interaction Center**  
1 800 993 3786  
1 800 963 3786  
customer.service.us@festo.com



**4 Regional Service Center**  
7777 Columbia Road  
Mason, OH 45040

Connect with us

[www.festo.com/socialmedia](http://www.festo.com/socialmedia)



[www.festo.com](http://www.festo.com)

Subject to change