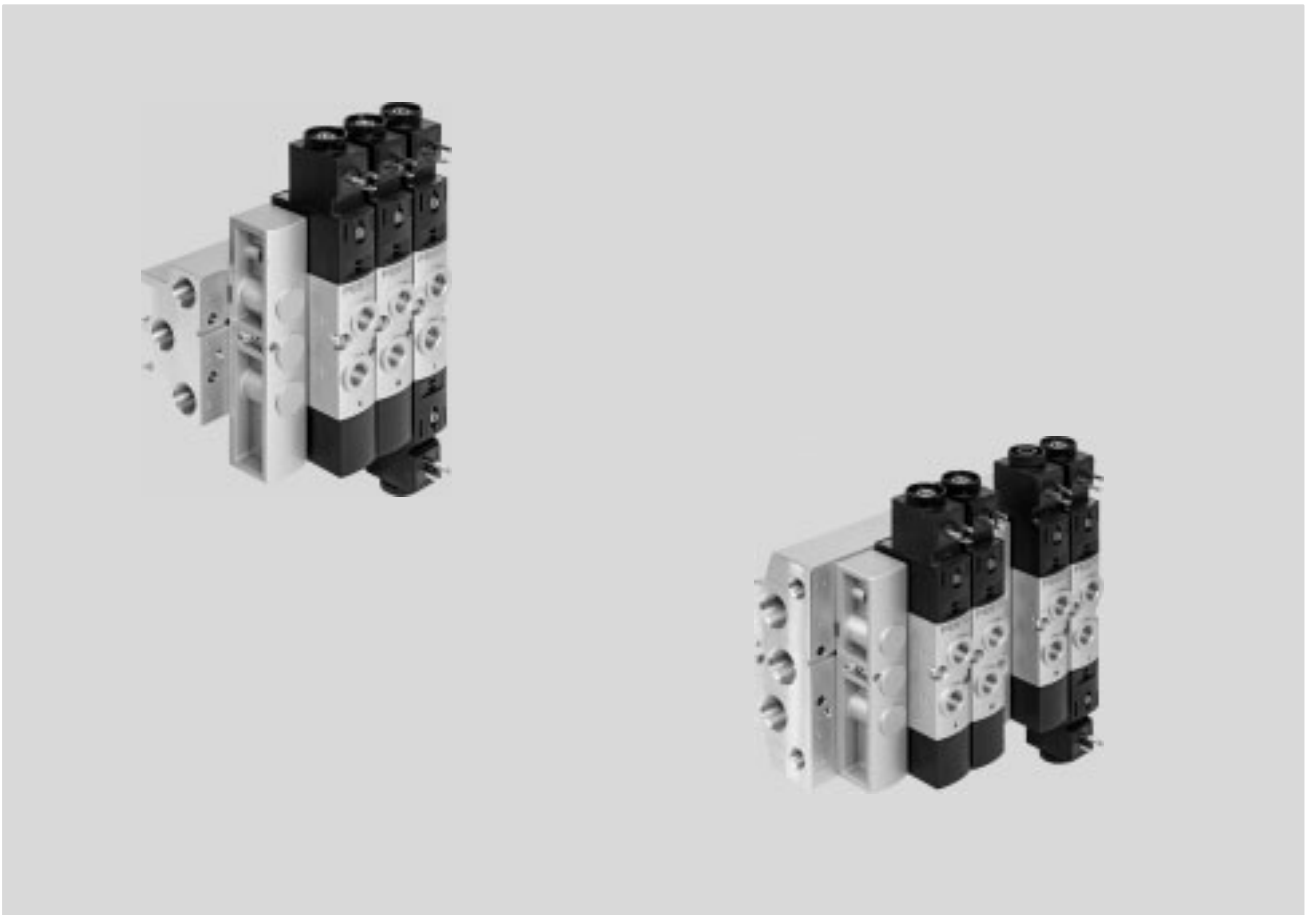


Solenoid valves VUVS/valve manifold VTUS



Solenoid valves VUVS/valve manifold VTUS

Key features



Innovative

- A reliable, heavy-duty valve with a long service life
- Flow rate up to 2300 l/min
- Low-cost universal valve with no performance limitations
- Wide range of valve functions

Versatile

- Operating voltage can be easily altered by changing the solenoid coil
- In-line valves can be used as individual valves or manifold valves
- Variable pressure zones
- Wide range of mounting options

Reliable

- Ergonomic, reliable operation
- Durable thanks to tried and tested piston spools
- Reliable servicing thanks to valves that can be replaced quickly and easily

Easy to install

- Pre-assembled units on rails
- Individual valves assembled ready for installation
- Supply manifolds for mounting on one or both sides
- Secure mounting on wall or H-rail

Valve manifold selection

Configurator

The appropriate valve manifold VTUS can be chosen quickly and easily using the online catalogue. This includes a convenient configurator, making it much easier to order the right product.

The valve manifold is fully assembled according to your order specification and individually checked. This reduces assembly and installation time to a minimum.

Ordering system for valve manifold VTUS

➔ Internet: vtus

2D/3D CAD data

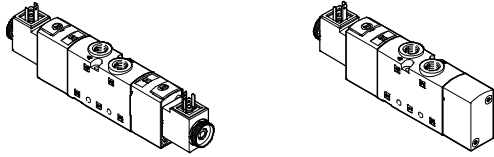
The CAD data for a configured valve manifold can be retrieved online using the configurator.

Solenoid valves VUVS/valve manifold VTUS

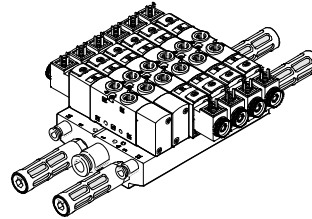
Features

Solenoid valves VUVS

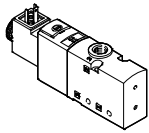
In-line valve VUVS as individual valve



Valve manifold VTUS



Equipment options



- 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)

All valves are equipped with a piston spool and patented sealing system to facilitate efficient sealing, a broad pressure range and a long service life.

The operating voltage of the solenoid valves can be varied by changing the solenoid coil on the armature guide tube.

Valve functions

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

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

5/2-way valve, single solenoid:

- Internal/external pilot air supply
 - Reset via pneumatic/mechanical spring
 - Direction of flow can be reversed in the case of external pilot air supply
- 5/2-way valve, double solenoid:
- Internal/external pilot air supply
 - Direction of flow 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
- Direction of flow can be reversed in the case of external pilot air supply

Features

- A maximum of 16 valve positions can be configured in the standard version
- A maximum of 12 valve positions can be configured in the compact version

- 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
- Supply manifold with a maximum of 10 valve positions

- Creation of pressure zones (maximum 9 pressure zones in the case of a valve manifold 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 blanking plates can be replaced with valves at a later date. The dimensions, mounting points and existing pneumatic

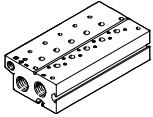
installation remain unchanged. For the standard manifold block, extension modules with two valve positions are available.

Solenoid valves VUVS/valve manifold VTUS

Features

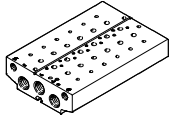
Standard manifold block

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

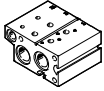
For 5/2- and 5/3-way valves



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

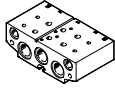
Extension for standard manifold block

For 3/2-way valves



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

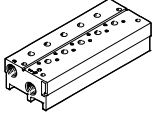
For 5/2- and 5/3-way valves



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

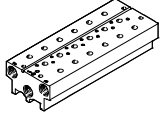
Compact manifold block

For 3/2-way valves



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

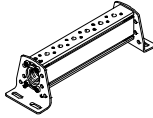
For 5/2- and 5/3-way valves



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

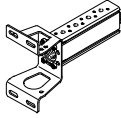
Supply manifold

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

Blanking plate for unused valve position




For covering unused 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 the intake air getting into the valve (e.g. when operating a suction cup). This prevents any foreign matter in

Solenoid valves VUVS/valve manifold VTUS

Key features – Pneumatics

Creating pressure zones and separating exhaust air


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

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

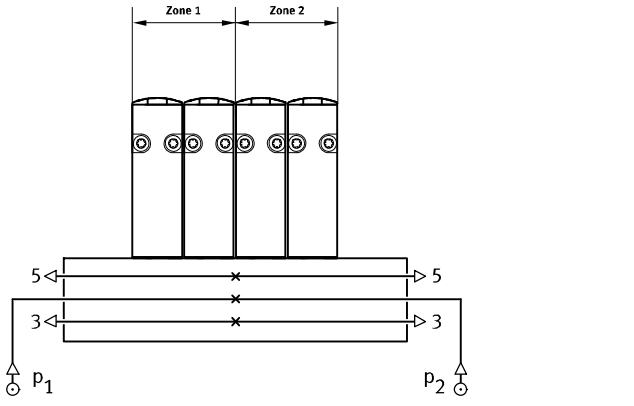
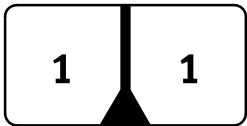
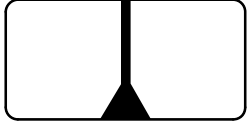
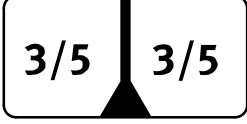
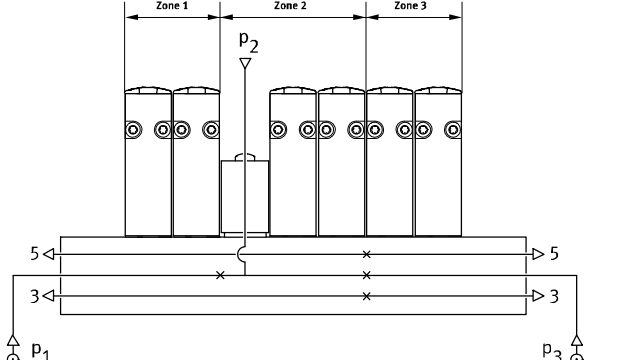
A pressure zone is created by isolating the internal ducts between the valve positions by means of an appropriate separator.

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)

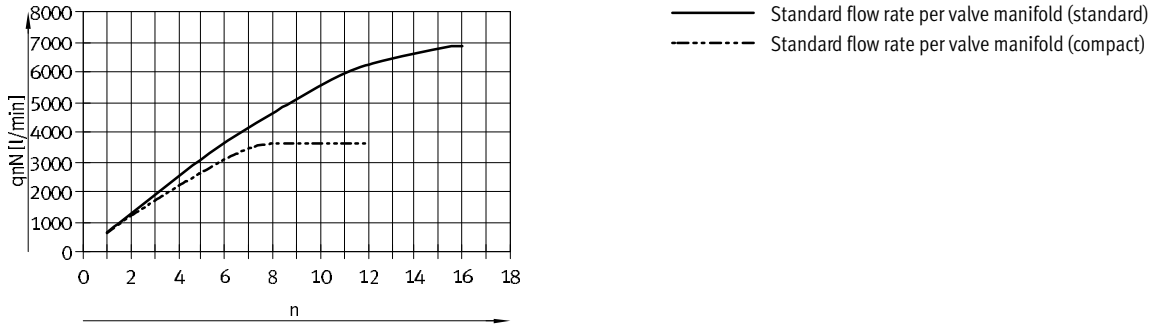
| Duct separation | Description |
|---|---|
|  | <p>The pressure zones can be freely configured with the VTUS. The following duct separations are possible:</p> <ul style="list-style-type: none"> • Duct 1 closed  • Duct 1/3/5 closed  • Duct 3/5 closed  |
|  | <p>The number of pressure zones with the VTUS is limited by the number of valve positions on the manifold block/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> |

Solenoid valves VUVS/valve manifold VTUS

Key features – Pneumatics

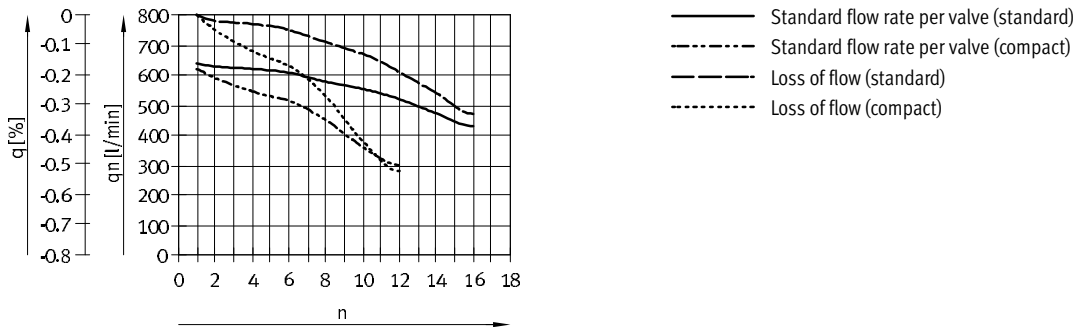
Standard nominal flow rate q_{nN} , with several valves n switched in parallel, size 20

For 3/2-way valves, valve manifold



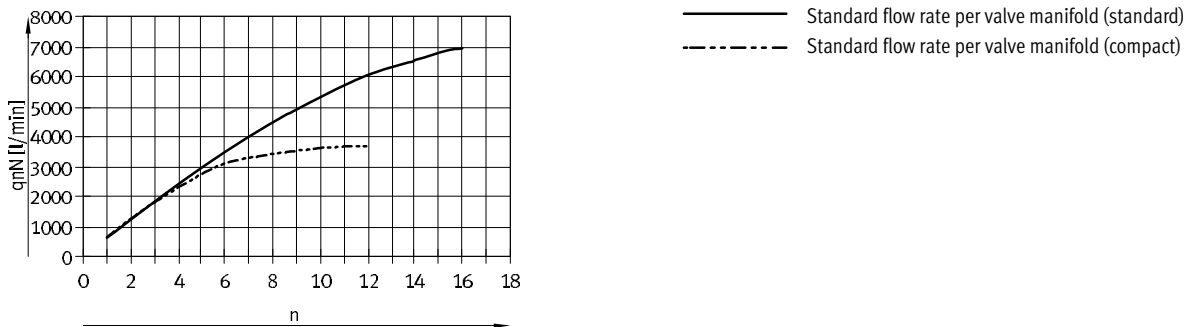
Standard nominal flow rate q_n , with several valves n switched in parallel, size 20

For 3/2-way valves, individual valve



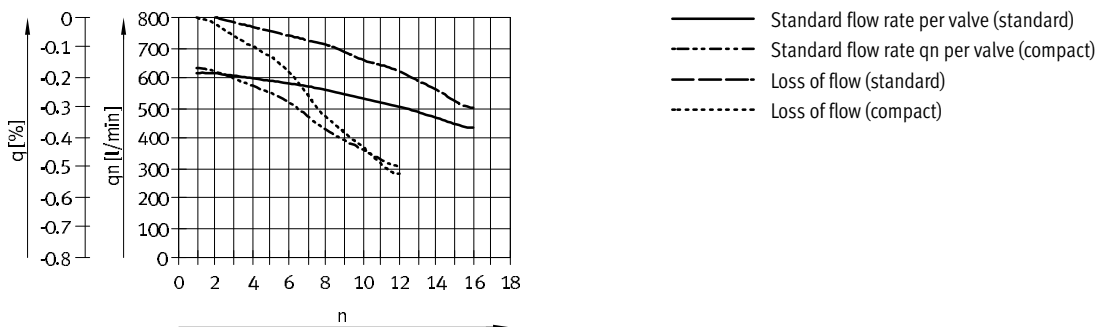
Standard nominal flow rate q_{nN} , with several valves n switched in parallel, size 20

For 5/2-way valves, valve manifold



Standard nominal flow rate q_n , with several valves n switched in parallel, size 20

For 5/2-way valves, individual valve

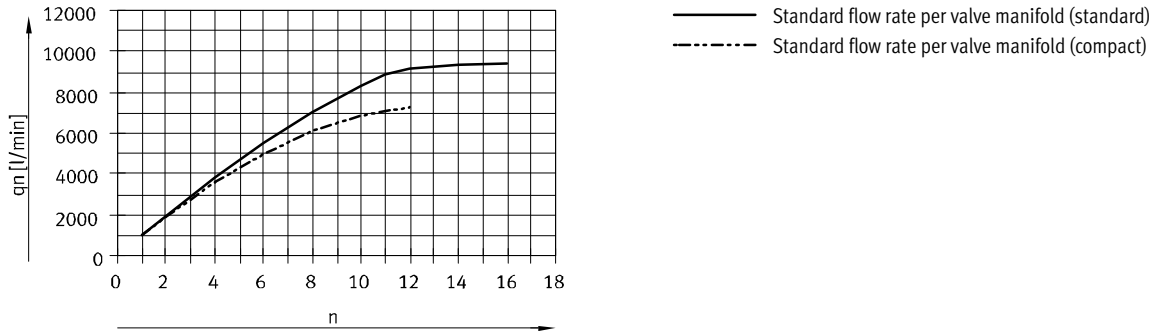


Solenoid valves VUVS/valve manifold VTUS

Key features – Pneumatics

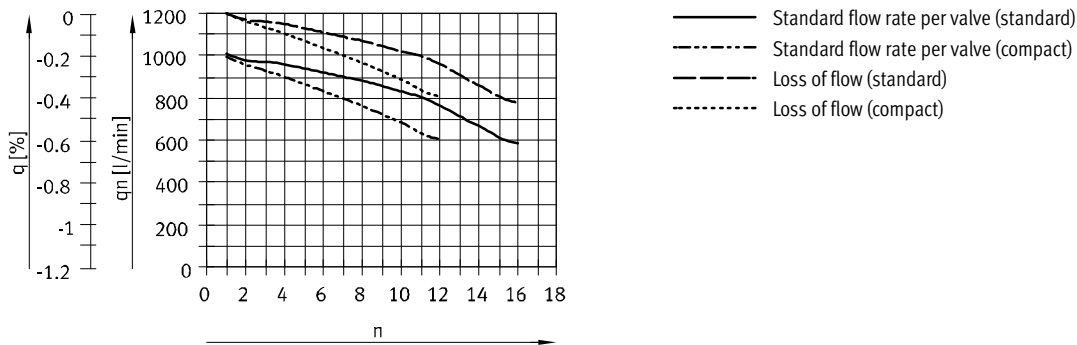
Standard nominal flow rate q_{nN} , with several valves n switched in parallel, size 25

For 3/2-way valves, valve manifold



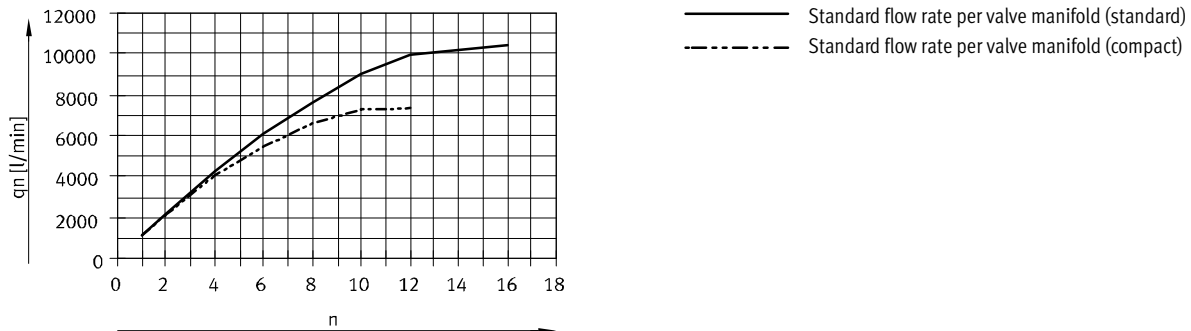
Standard nominal flow rate q_n , with several valves n switched in parallel, size 25

For 3/2-way valves, individual valve



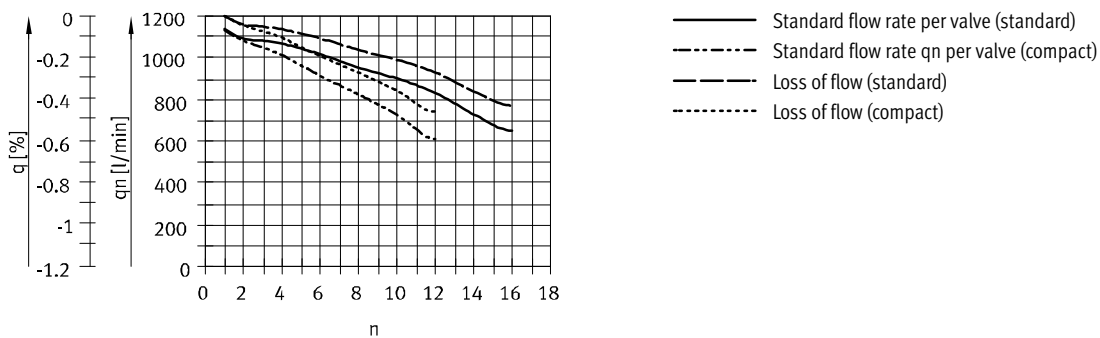
Standard nominal flow rate q_{nN} , with several valves n switched in parallel, size 25

For 5/2-way valves, valve manifold



Standard nominal flow rate q_n , with several valves n switched in parallel, size 25

For 5/2-way valves, individual valve

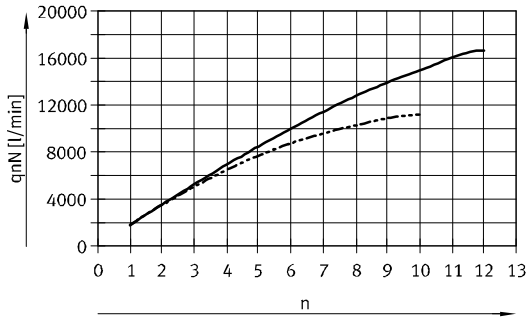


Solenoid valves VUVS/valve manifold VTUS

Key features – Pneumatics

Standard nominal flow rate q_{nN} , with several valves n switched in parallel, size 30

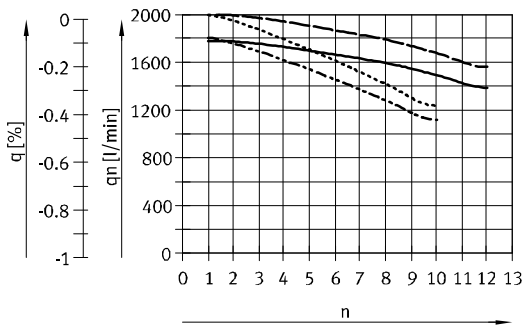
For 3/2-way valves, valve manifold



- Standard flow rate per valve manifold (standard)
- - - Standard flow rate per valve manifold (compact)

Standard nominal flow rate q_n , with several valves n switched in parallel, size 30

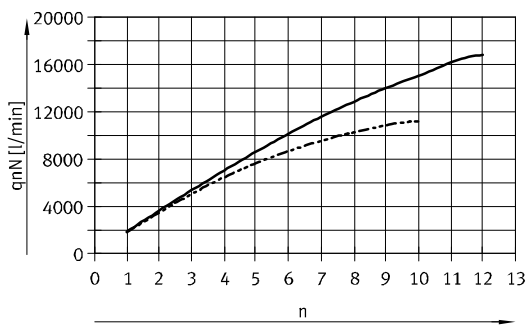
For 3/2-way valves, individual valve



- Standard flow rate per valve (standard)
- - - Standard flow rate per valve (compact)
- · - Loss of flow (standard)
- · · Loss of flow (compact)

Standard nominal flow rate q_{nN} , with several valves n switched in parallel, size 30

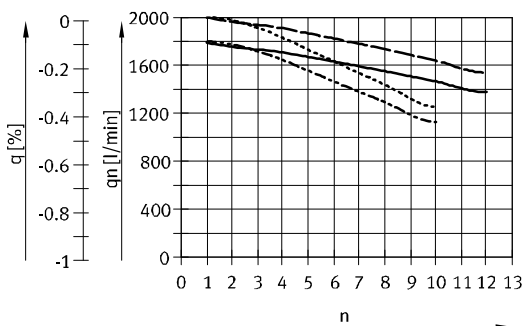
For 5/2- and 5/3-way valves, valve manifold



- Standard flow rate per valve manifold (standard)
- - - Standard flow rate per valve manifold (compact)

Standard nominal flow rate q_n , with several valves n switched in parallel, size 30

For 5/2- and 5/3-way valves, individual valve



- Standard flow rate per valve (standard)
- - - Standard flow rate q_n per valve (compact)
- · - Loss of flow (standard)
- · · Loss of flow (compact)

Solenoid valves VUVS/valve manifold VTUS

Key features – Pneumatics

Mounting valve manifold VTUS

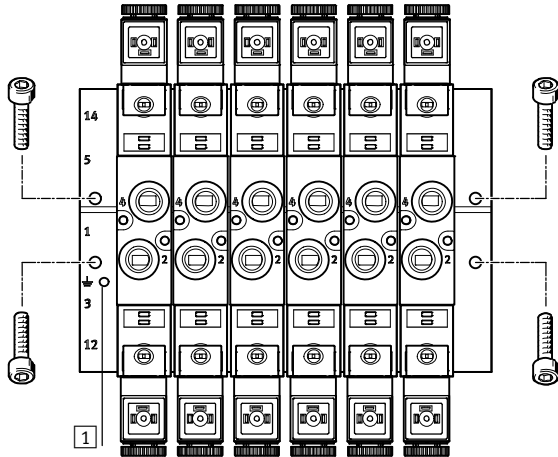
Sturdy manifold assembly owing to:

- 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.

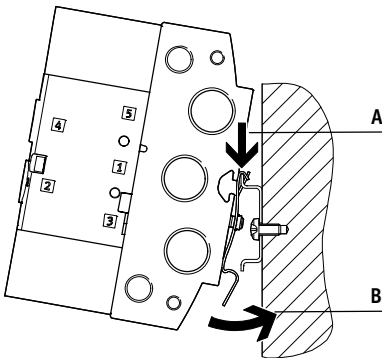
Wall mounting



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

1 Earth terminal

H-rail mounting



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

 Note

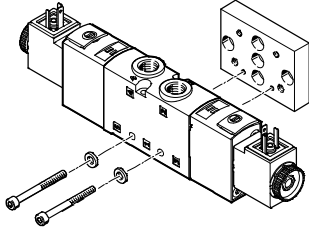
- Note the max. tightening torque of the screws for H-rail mounting
- Only horizontal H-rail mounting is permissible
- Mounting only possible on H-rail TH 35-... to EN 60715
- Vibration/shock loads are not permissible with H-rail mounting
- Further note on assembly
→ Assembly instructions for H-rail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

Solenoid valves VUVS/valve manifold VTUS

Key features – Assembly

Mounting individual valve VUVS

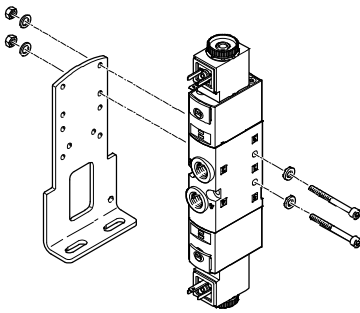
Wall mounting



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.

Foot 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 foot mounting VAME-B10-...-A.

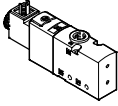
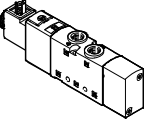
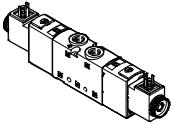
The relevant screw set is included when the foot mounting VAME-B10-...-A is ordered.

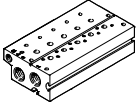

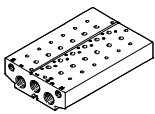

 **Note**

Further mounting options for foot mounting VAME-B10-...-A → p.41

Solenoid valves VUVS

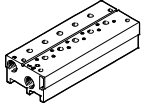
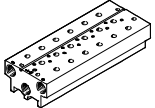
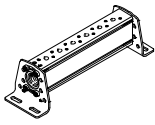
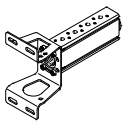
Product range overview

| Valve | Size | Working port | Order code for valves and flow rate [l/min] | | | | | | | → Page/ Internet |
|--|------|--------------|---|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|
| | | | M32C | M32U | M52 | B52 | P53C | P53U | P53E | |
| 3/2-way valve | | | | | | | | | | |
|  | 20 | G1/8 | ■ 700 | ■ 700 | - | - | - | - | - | 36 |
| | 25 | G1/4 | ■ 1000 | ■ 1000 | - | - | - | - | - | 47 |
| | 30 | G3/8 | ■ 2300 | ■ 2300 | - | - | - | - | - | 60 |
| 5/2-way valve | | | | | | | | | | |
|  | 20 | G1/8 | - | - | ■ 700 | ■ 700 | - | - | - | 36 |
| | 25 | G1/4 | - | - | ■ 1300 | ■ 1300 | - | - | - | 47 |
| | 30 | G3/8 | - | - | ■ 2300 | ■ 2300 | - | - | - | 60 |
| 5/3-way valve | | | | | | | | | | |
|  | 20 | G1/8 | - | - | - | - | ■ 700 | ■ 600 | ■ 600 | 36 |
| | 25 | G1/4 | - | - | - | - | ■ 1200 | ■ 1000 | ■ 1000 | 47 |
| | 30 | G3/8 | - | - | - | - | ■ 2000 | ■ 1600 | ■ 1600 | 60 |

| Design | Size | Description | → Page/ Internet | |
|---|------|----------------------------|---------------------|----|
| Manifold block for 3/2-way valves, standard | | | | |
|  | 20 | VABM-B10-20E-G38- ... P3 | Connection G3/8 | 74 |
| | 25 | VABM-B10-25E-G12- ... P3 | Connection G1/2 | 86 |
| | 30 | VABM-B10-30E-G34- ... P3 | Connection G3/4 | 98 |
| Manifold block extension module for 3/2-way valves, standard | | | | |
|  | 20 | VABM-B10-20EEE-G38- ... P3 | Connection G3/8 | 74 |
| | 25 | VABM-B10-25EEE-G12- ... P3 | Connection G1/2 | 86 |
| | 30 | VABM-B10-30EEE-G34- ... P3 | Connection G3/4 | 98 |
| Manifold block for 5/2- and 5/3-way valves, standard | | | | |
|  | 20 | VABM-B10-20E-G38- ... | Connection G3/8 | 74 |
| | 25 | VABM-B10-25E-G12- ... | Connection G1/2 | 86 |
| | 30 | VABM-B10-30E-G34- ... | Connection G3/4 | 98 |
| Manifold block extension module for 5/2- and 5/3-way valves, standard | | | | |
|  | 20 | VABM-B10-20EEE-G38- ... | Connection G3/8 | 74 |
| | 25 | VABM-B10-25EEE-G12- ... | Connection G1/2 | 86 |
| | 30 | VABM-B10-30EEE-G34- ... | Connection G3/4 | 98 |

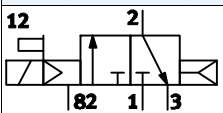
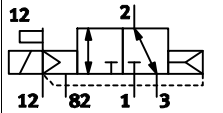
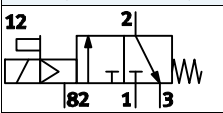
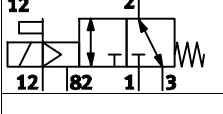
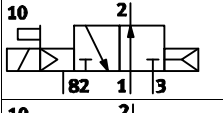
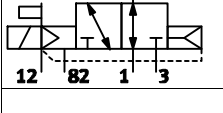
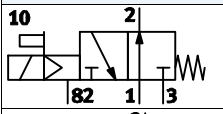
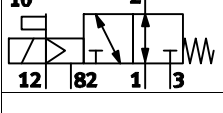
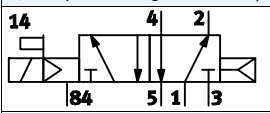
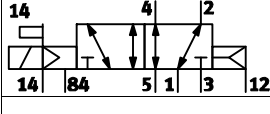
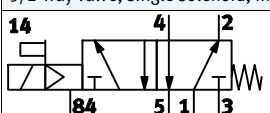
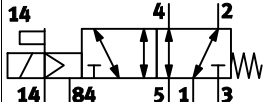
Solenoid valves VUVS

Product range overview

| Design | Size | Description | → Page/ Internet |
|---|------|-----------------------------|-----------------------|
| Manifold block for 3/2-way valves, compact | | | |
|  | 20 | VABM-B10-20S-G14- ... P3 | Connection G1/4 74 |
| | 25 | VABM-B10-25S-G38- ... P3 | Connection G3/8 86 |
| | 30 | VABM-B10-30S-G12- ... P3 | Connection G1/2 98 |
| Manifold block for 5/2- and 5/3-way valves, compact | | | |
|  | 20 | VABM-B10-20S-G14- ... | Connection G1/4 74 |
| | 25 | VABM-B10-25S-G38- ... | Connection G3/8 86 |
| | 30 | VABM-B10-30S-G12- ... | Connection G1/2 98 |
| Supply manifold, for mounting on both sides | | | |
|  | 20 | VABM-B10-20-G38- ... -P53 | Connection G3/8 74 |
| | 25 | VABM-B10-25-G12- ... -P53 | Connection G1/2 86 |
| | 30 | VABM-B10-30-G34- ... -P53 | Connection G3/4 98 |
| Supply manifold, for mounting on one side | | | |
|  | 20 | VABM-B10-20-G38- ... -P53-E | Connection G3/8 74 |
| | 25 | VABM-B10-25-G12- ... -P53-E | Connection G1/2 86 |
| | 30 | VABM-B10-30-G34- ... -P53-E | Connection G3/4 98 |

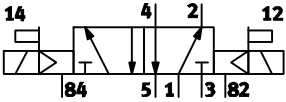
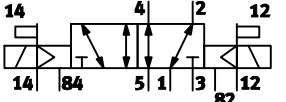
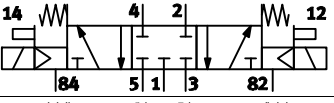
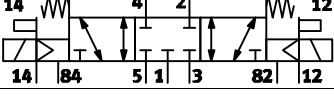
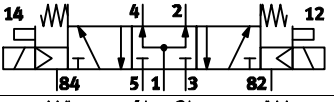
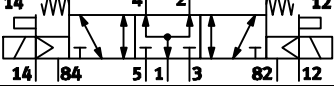
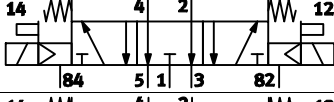
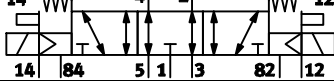
Solenoid valves VUVS

Overview of valve functions

| Valve | Order code for valves | Description | Size | | |
|---|-----------------------|---|------|----|----|
| | | | 20 | 25 | 30 |
| 3/2-way valve, normally closed, pneumatic spring | | | | | |
|  | M32C | Internal pilot air supply, not reversible | ■ | ■ | ■ |
|  | | External pilot air supply, reversible | ■ | ■ | ■ |
| 3/2-way valve, normally closed, mechanical spring | | | | | |
|  | M32C | Internal pilot air supply, not reversible | ■ | ■ | ■ |
|  | | External pilot air supply, reversible | ■ | ■ | ■ |
| 3/2-way valve, normally open, pneumatic spring | | | | | |
|  | M32U | Internal pilot air supply, not reversible | ■ | ■ | ■ |
|  | | External pilot air supply, reversible | ■ | ■ | ■ |
| 3/2-way valve, normally open, mechanical spring | | | | | |
|  | M32U | Internal pilot air supply, not reversible | ■ | ■ | ■ |
|  | | External pilot air supply, reversible | ■ | ■ | ■ |
| 5/2-way valve, single solenoid, pneumatic spring | | | | | |
|  | M52 | Internal pilot air supply, not reversible | ■ | ■ | ■ |
|  | | External pilot air supply, reversible | ■ | ■ | ■ |
| 5/2-way valve, single solenoid, mechanical spring | | | | | |
|  | M52 | Internal pilot air supply, not reversible | ■ | ■ | ■ |
|  | | External pilot air supply, reversible | ■ | ■ | ■ |

Solenoid valves VUVS

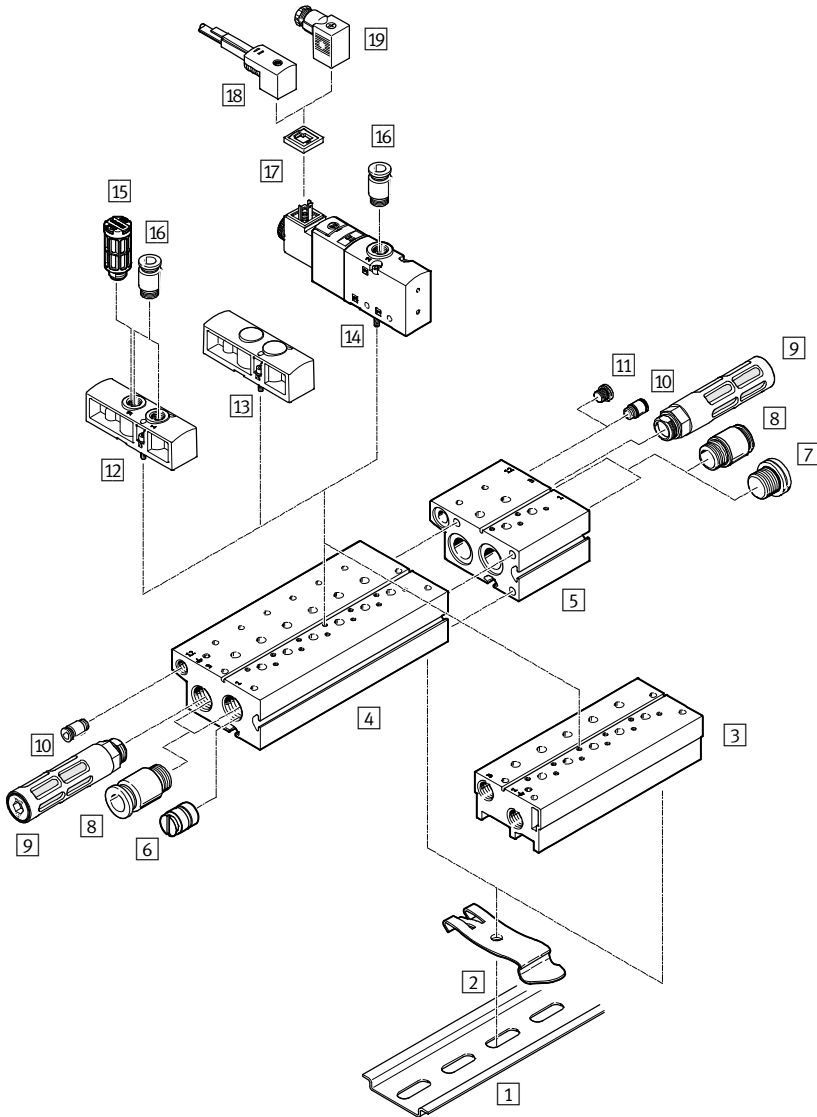
Overview of valve functions

| Valve | Order code for valves | Description | Size | | |
|---|-----------------------|---|------|----|----|
| | | | 20 | 25 | 30 |
| 5/2-way valve, bistable | | | | | |
|  | B52 | Internal pilot air supply, not reversible | ■ | ■ | ■ |
|  | | External pilot air supply, reversible | ■ | ■ | ■ |
| 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 | ■ | ■ | ■ |

Solenoid valves VUVS/valve manifold VTUS

Peripherals overview

Manifold block for 3/2-way valves



| Description | Brief description | → Page/Internet |
|---------------------------|---|-----------------|
| 1 H-rail | – | – |
| 2 H-rail mounting | For H-rail mounting | 85, 97, 109 |
| 3 Compact manifold block | For 3/2-way valves, no port for external pilot air supply | 81, 93, 105 |
| 4 Standard manifold block | For 3/2-way valves, with port 10/12 for external pilot air supply | 81, 93, 105 |
| 5 Extension module | For standard manifold block, with port 10/12 for external pilot air supply | 81, 93, 105 |
| 6 Separator | For creating pressure zones in ports 1 and 3 | 85, 97, 109 |
| 7 Blanking plug | For ports 1 and 3, supply and exhaust ports | 85, 97, 109 |
| 8 Push-in fitting | For ports 1 and 3, supply and exhaust ports | 84, 96, 108 |
| 9 Silencer | For port 3, exhaust | 85, 97, 109 |
| 10 Push-in fitting | For port 10/12, external pilot air supply, for standard manifold block only | 84, 96, 108 |
| 11 Blanking plug | For port 10/12, external pilot air supply, for standard manifold block only | 85, 97, 109 |
| 12 Supply plate | For additional air supply and exhaust via a valve position | 83, 95, 107 |
| 13 Blanking plate | For covering unused valve positions | 83, 95, 107 |
| 14 Solenoid valve | 3/2-way valve, with solenoid coil | 42, 53, 66 |

Solenoid valves VUVS/valve manifold VTUS

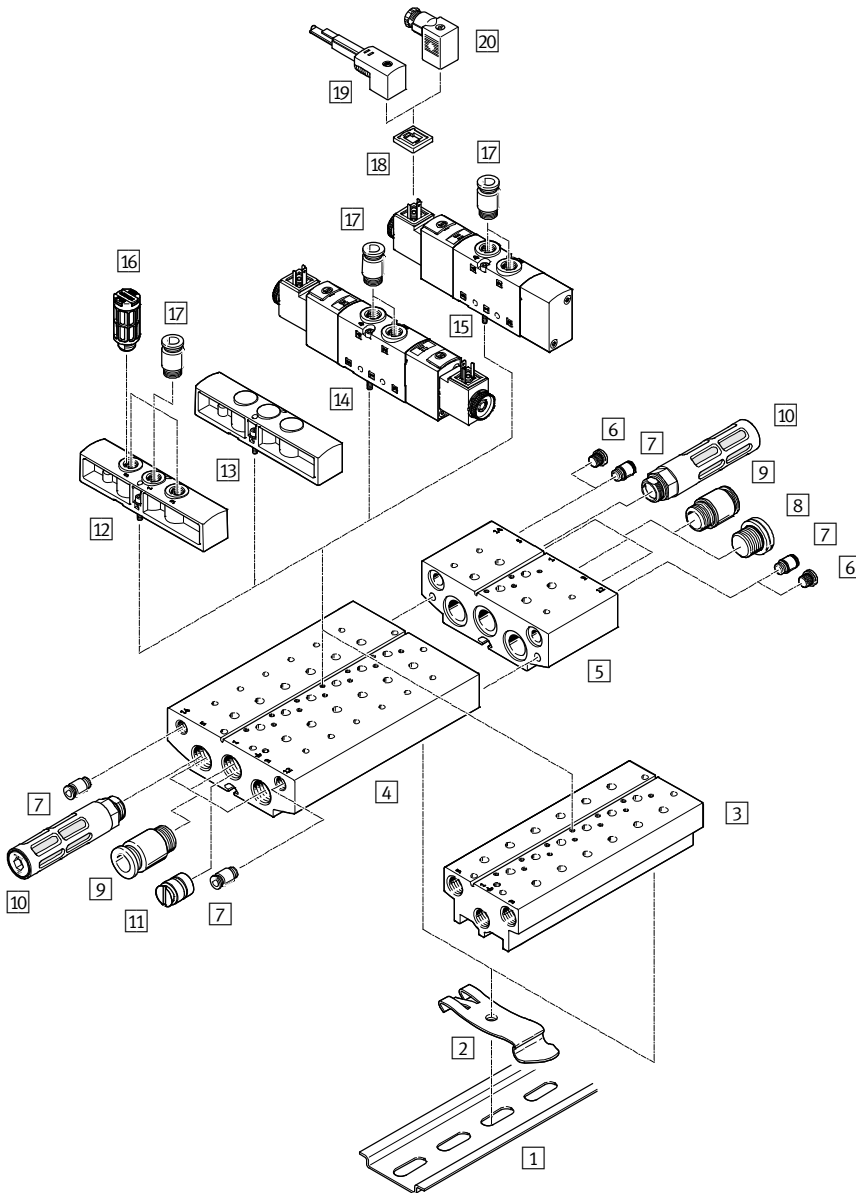
Peripherals overview

| Description | Brief description | → Page/Internet |
|----------------------------------|--|-----------------|
| 15 Silencer | For port 3, exhaust | 85, 97, 109 |
| 16 Push-in fitting | For ports 1 and 3, supply and exhaust ports with supply plate, For port 2, working port, on the valve | 84, 96, 108 |
| 17 Illuminating seal | For indicating the switching status | 45, 58, 71 |
| 18 Plug socket with cable | For solenoid valves VUVS | 45, 58, 71 |
| 19 Plug socket | For solenoid valves VUVS | 45, 58, 71 |

Solenoid valves VUVS/valve manifold VTUS

Peripherals overview

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



| Description | Brief description | → Page/Internet |
|---------------------------|--|-----------------|
| 1 H-rail | – | – |
| 2 H-rail mounting | For H-rail mounting | 85, 97, 109 |
| 3 Compact manifold block | For 5/2- and 5/3-way valves, no port for external pilot air supply | 81, 93, 105 |
| 4 Standard manifold block | For 5/2- and 5/3-way valves, with ports 12 and 14 for external pilot air supply | 81, 93, 105 |
| 5 Extension module | For standard manifold block, with ports 12 and 14 for external pilot air supply | 81, 93, 105 |
| 6 Blanking plug | For ports 12 and 14, external pilot air supply, for standard manifold block only | 85, 97, 109 |
| 7 Push-in fitting | For ports 12 and 14, external pilot air supply, for standard manifold block only | 84, 96, 108 |
| 8 Blanking plug | For ports 1, 3 and 5, supply and exhaust ports | 85, 97, 109 |
| 9 Push-in fitting | For ports 1, 3 and 5, supply and exhaust ports | 84, 96, 108 |
| 10 Silencer | For ports 3 and 5, exhaust | 85, 97, 109 |
| 11 Separator | For creating pressure zones in ports 1, 3 and 5 | 85, 97, 109 |
| 12 Supply plate | For additional air supply and exhaust via a valve position | 83, 95, 107 |

Solenoid valves VUVS/valve manifold VTUS

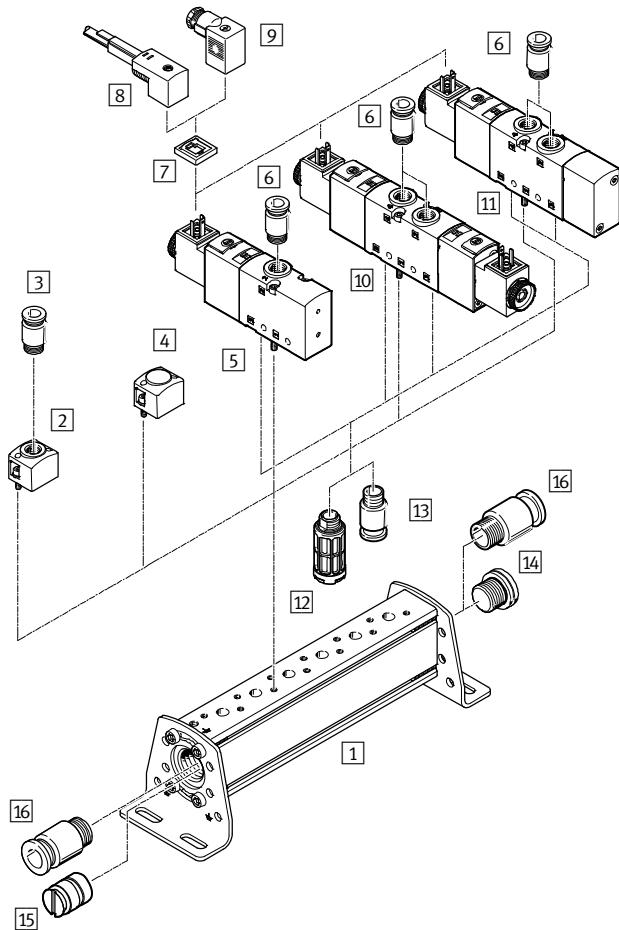
Peripherals overview

| Description | Brief description | → Page/Internet |
|---------------------------|--|-----------------|
| 13 Blanking plate | For covering unused valve positions | 83, 95, 107 |
| 14 Solenoid valve | 5/3-way valve and 5/2-way valve, double solenoid, with solenoid coil | 43, 55, 68 |
| 15 Solenoid valve | 5/2-way valve, single solenoid, with solenoid coil | 43, 55, 68 |
| 16 Silencer | For ports 3 and 5, exhaust | 85, 97, 109 |
| 17 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 | 84, 96, 108 |
| 18 Illuminating seal | For indicating the switching status | 45, 58, 71 |
| 19 Plug socket with cable | For solenoid valves VUVS | 45, 58, 71 |
| 20 Plug socket | For solenoid valves VUVS | 45, 58, 71 |

Solenoid valves VUVS/valve manifold VTUS

Peripherals overview

Supply manifold for mounting on both sides

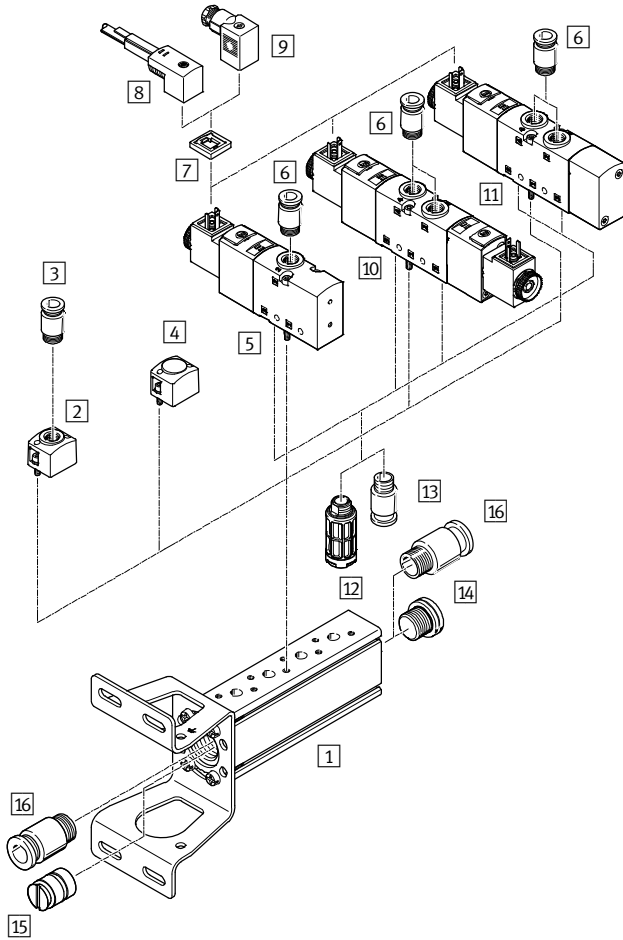


| Description | Brief description | → Page/Internet |
|--------------------------|--|-----------------|
| 1 Supply manifold | – | 82, 94, 106 |
| 2 Supply plate | For additional air supply via a valve position | 83, 95, 107 |
| 3 Push-in fitting | For port 1 | 84, 96, 108 |
| 4 Blanking plate | For covering unused valve positions | 83, 95, 107 |
| 5 Solenoid valve | 3/2-way valve, with solenoid coil | 42, 53, 66 |
| 6 Push-in fitting | For ports 2, 4, working port | 84, 96, 108 |
| 7 Illuminating seal | For indicating the switching status | 45, 58, 71 |
| 8 Plug socket with cable | For solenoid valves VUVS | 45, 58, 71 |
| 9 Plug socket | For solenoid valves VUVS | 45, 58, 71 |
| 10 Solenoid valve | 5/3-way valve and 5/2-way valve, double solenoid, with solenoid coil | 43, 55, 68 |
| 11 Solenoid valve | 5/2-way valve, single solenoid, with solenoid coil | 43, 55, 68 |
| 12 Silencer | For ports 3 and 5, exhaust, on the valve | 85, 97, 109 |
| 13 Push-in fitting | For ports 3 and 5, exhaust, on the valve | 84, 96, 108 |
| 14 Blanking plug | For port 1, supply port | 85, 97, 109 |
| 15 Separator | For creating pressure zones | 85, 97, 109 |
| 16 Push-in fitting | For port 1, supply port | 84, 96, 108 |

Solenoid valves VUVS/valve manifold VTUS

Peripherals overview


Supply manifold for mounting on one side




| Description | Brief description | → Page/Internet |
|--------------------------|--|-----------------|
| 1 Supply manifold | – | 82, 94, 106 |
| 2 Supply plate | For additional air supply via a valve position | 83, 95, 107 |
| 3 Push-in fitting | For port 1, supply port | 84, 96, 108 |
| 4 Blanking plate | For covering unused valve positions | 83, 95, 107 |
| 5 Solenoid valve | 3/2-way valve, with solenoid coil | 42, 53, 66 |
| 6 Push-in fitting | For ports 2 and 4, working port | 84, 96, 108 |
| 7 Illuminating seal | For indicating the switching status | 45, 58, 71 |
| 8 Plug socket with cable | For solenoid valves VUVS | 45, 58, 71 |
| 9 Plug socket | For solenoid valves VUVS | 45, 58, 71 |
| 10 Solenoid valve | 5/3-way valve and 5/2-way valve, double solenoid, with solenoid coil | 43, 55, 68 |
| 11 Solenoid valve | 5/2-way valve, single solenoid, with solenoid coil | 43, 55, 68 |
| 12 Silencer | For ports 3 and 5, exhaust, on the valve | 85, 97, 109 |
| 13 Push-in fitting | For ports 3 and 5, on the valve | 84, 96, 108 |
| 14 Blanking plug | For port 1, supply port | 85, 97, 109 |
| 15 Separator | For creating pressure zones | 85, 97, 109 |
| 16 Push-in fitting | For port 1, supply port | 84, 96, 108 |

Valve manifold VTUS

Technical data – Valve manifold

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

-  - Valve width
 - Size 20: 21 mm
 - Size 25: 26.5 mm
 - Size 30: 31 mm



| General technical data | | | | |
|----------------------------------|-------------------------|---|---------------|---------------|
| Size | | 20 | 25 | 30 |
| Valve manifold configuration | | Fixed grid | | |
| Valve width | [mm] | 21 | 26.5 | 31 |
| Valve design | | Piston spool | | |
| Electrical control | | Individual connection | | |
| Reset method for valves | | Pneumatic or mechanical spring | | |
| Pilot air supply | | Internal or external | | |
| Direction of flow | | Reversible with restrictions | | |
| Suitability for vacuum | | Yes | | |
| 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 | | With flow control | | |
| Type of actuation | | Electrical | | |
| Nominal operating voltage | [V DC] | 12, 24 | | |
| | [V AC] | 24, 110, 120, 230, 240 | | |
| Standard nominal flow rate | [qnN] | 600 ... 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 |
| | 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 | | |
| CRC ¹⁾ | | 2 ¹⁾ | | |
| Note on materials | | RoHS compliant | | |
| Information on materials: seals | | HNBR, NBR | | |

1) Corrosion resistance class CRC 2 to Festo standard FN 940070
Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

Valve manifold VTUS

Technical data – Valve manifold

| Operating and environmental conditions | | |
|--|-------|--|
| 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 | [bar] | -0.9 ... +10 |
| Pilot pressure | [bar] | 1.5 ... 10 |
| Ambient temperature | [°C] | -10 ... +50 |
| Temperature of medium | [°C] | -10 ... +50 |
| Storage temperature | [°C] | -20 ... +60 |

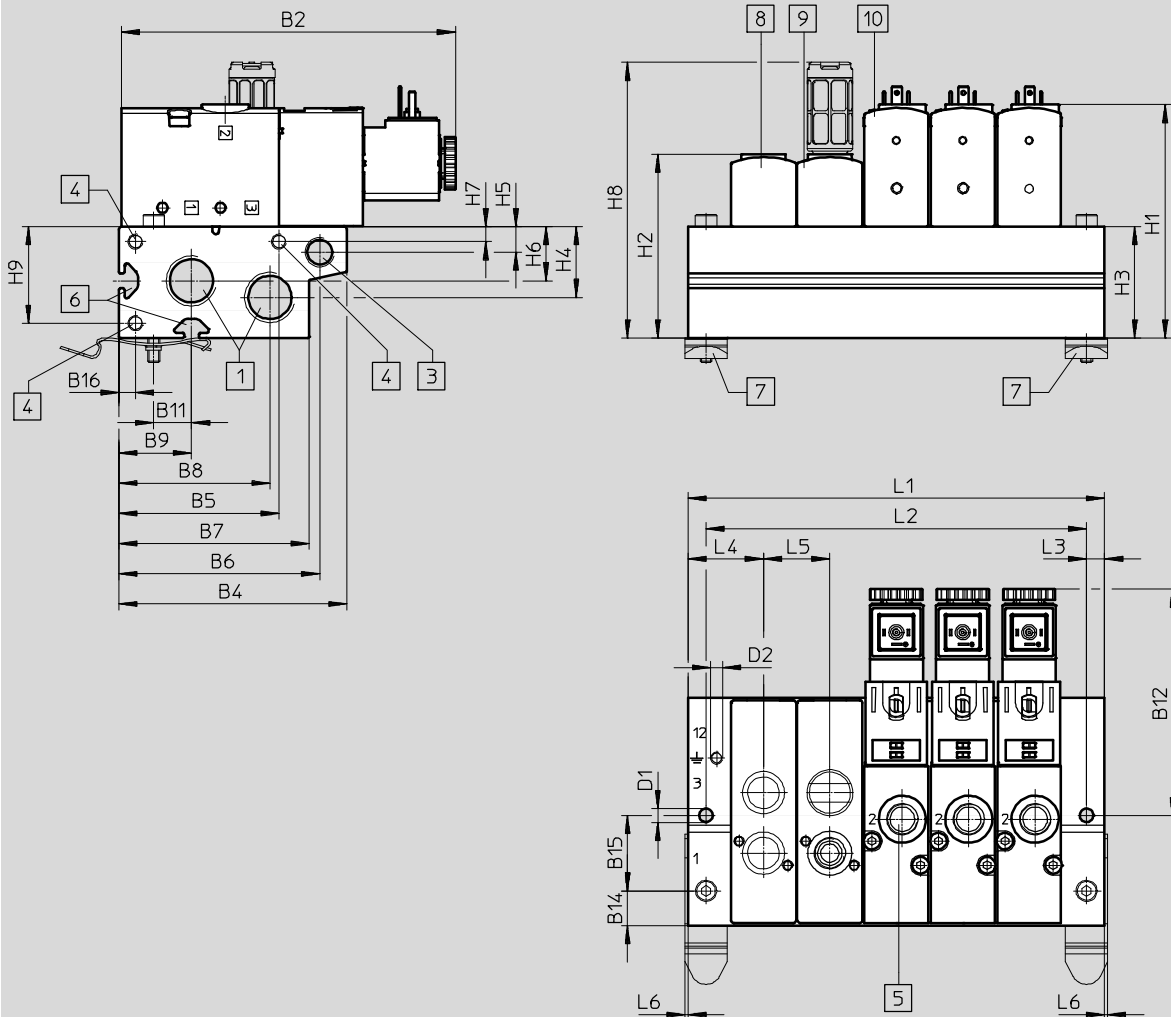
Valve manifold VTUS

Technical data – Valve manifold

Dimensions – Valve manifold

Download CAD data → www.festo.com

With 3/2-way valves, standard manifold block



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

Valve manifold VTUS

Technical data – Valve manifold

| 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 [mm] | 72 | 94 | 116 | 138 | 160 | 182 | 204 | 226 | 248 |
| | L2 [mm] | 60 | 82 | 104 | 126 | 148 | 170 | 192 | 214 | 236 |
| VTUS-25 | L1 [mm] | 87 | 114.5 | 142 | 169.5 | 197 | 224.5 | 252 | 279.5 | 307 |
| | L2 [mm] | 75 | 102.5 | 130 | 157.5 | 185 | 212.5 | 240 | 267.5 | 295 |
| VTUS-30 | L1 [mm] | 100 | 132 | 164 | 196 | 228 | 260 | 292 | 324 | 356 |
| | L2 [mm] | 85 | 117 | 149 | 181 | 213 | 245 | 277 | 309 | 341 |

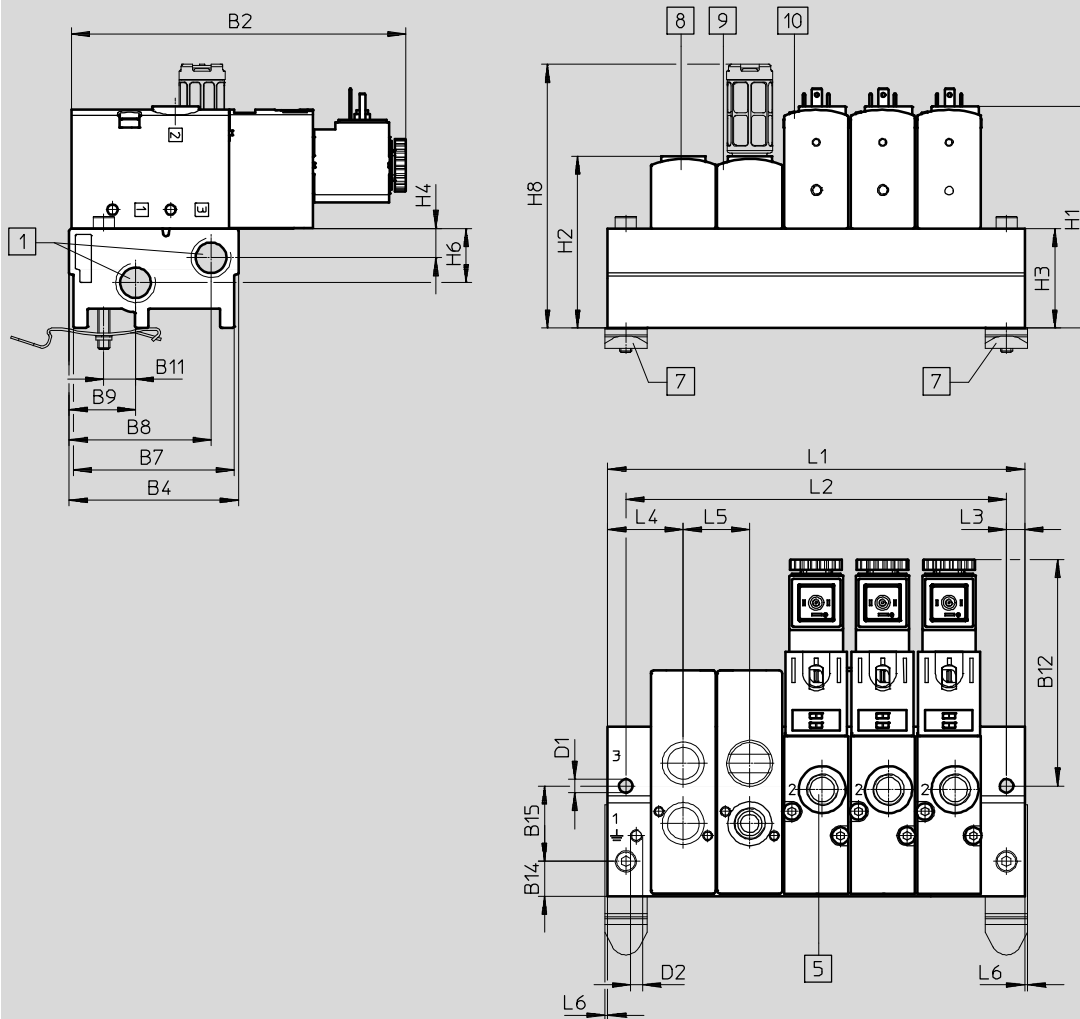
Valve manifold VTUS

Technical data – Valve manifold

Dimensions – Valve manifold

Download CAD data → www.festo.com

With 3/2-way valves, compact manifold block



- | | | | |
|--|---|--|---|
| <p>1 Port 1 and 3 (at both ends): G1/4 for VTUS-20 G3/8 for VTUS-25 G1/2 for VTUS-30</p> | <p>5 Port 2: G1/8 for VTUS-20 G1/4 for VTUS-25 G3/8 for VTUS-30</p> | <p>7 H-rail mounting VAME-T-M4 for VTUS-20 VAME-T-M5 for VTUS-25 VAME-T-M6 for VTUS-30</p> | <p>9 Supply plate, port 1 and 3: G1/8 for VTUS-20 G1/4 for VTUS-25 G3/8 for VTUS-30</p> |
| | | <p>8 Blanking plate</p> | <p>10 3/2-way valve</p> |

Valve manifold VTUS

Technical data – Valve manifold

| 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 | 38 | 32 | – |

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

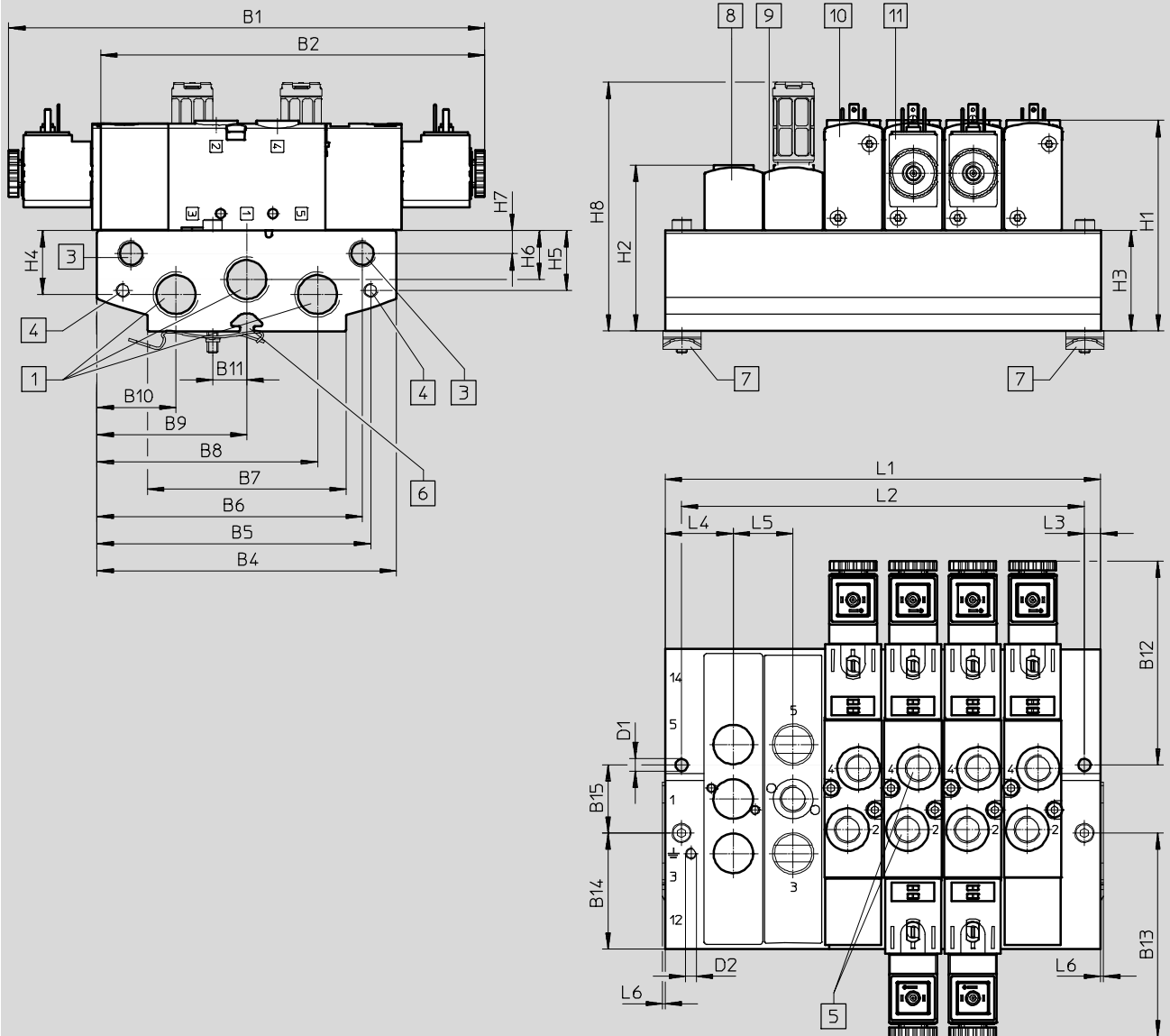
Valve manifold VTUS

Technical data – Valve manifold

Dimensions – Valve manifold

Download CAD data → www.festo.com

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



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

Valve manifold VTUS

Technical data – Valve manifold

| 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 [mm] | 72 | 94 | 116 | 138 | 160 | 182 | 204 | 226 | 248 |
| | L2 [mm] | 60 | 82 | 104 | 126 | 148 | 170 | 192 | 214 | 236 |
| VTUS-25 | L1 [mm] | 87 | 114.5 | 142 | 169.5 | 197 | 224.5 | 252 | 279.5 | 307 |
| | L2 [mm] | 75 | 102.5 | 130 | 157.5 | 185 | 212.5 | 240 | 267.5 | 295 |
| VTUS-30 | L1 [mm] | 100 | 132 | 164 | 196 | 228 | 260 | 292 | 324 | 356 |
| | L2 [mm] | 85 | 117 | 149 | 181 | 213 | 245 | 277 | 309 | 341 |

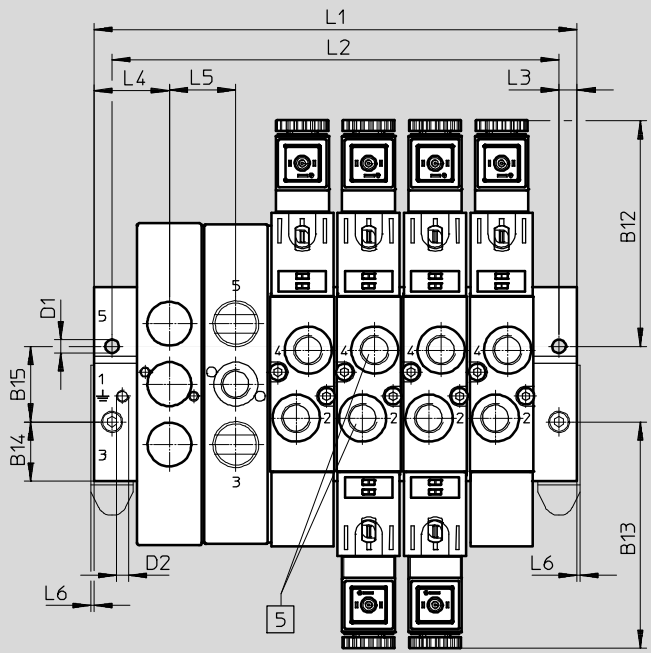
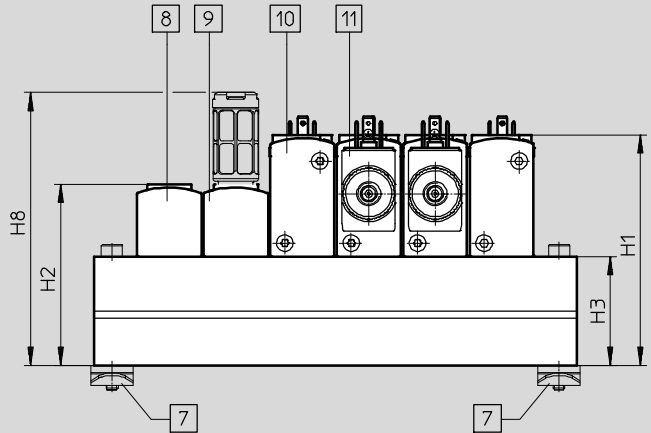
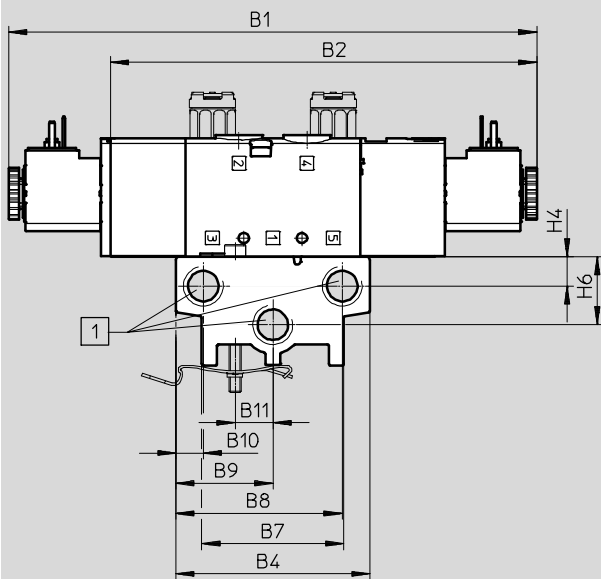
Valve manifold VTUS

Technical data – Valve manifold

Dimensions – Valve manifold

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

Download CAD data → www.festo.com



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

Valve manifold VTUS

Technical data – Valve manifold

| 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 [mm] | 72 | 94 | 116 | 138 | 160 | 182 | 204 | 226 | 248 |
| | L2 [mm] | 60 | 82 | 104 | 126 | 148 | 170 | 192 | 214 | 236 |
| VTUS-25 | L1 [mm] | 87 | 114.5 | 142 | 169.5 | 197 | 224.5 | 252 | 279.5 | 307 |
| | L2 [mm] | 75 | 102.5 | 130 | 157.5 | 185 | 212.5 | 240 | 267.5 | 295 |
| VTUS-30 | L1 [mm] | 100 | 132 | 164 | 196 | 228 | 260 | 292 | 324 | 356 |
| | L2 [mm] | 85 | 117 | 149 | 181 | 213 | 245 | 277 | 309 | 341 |

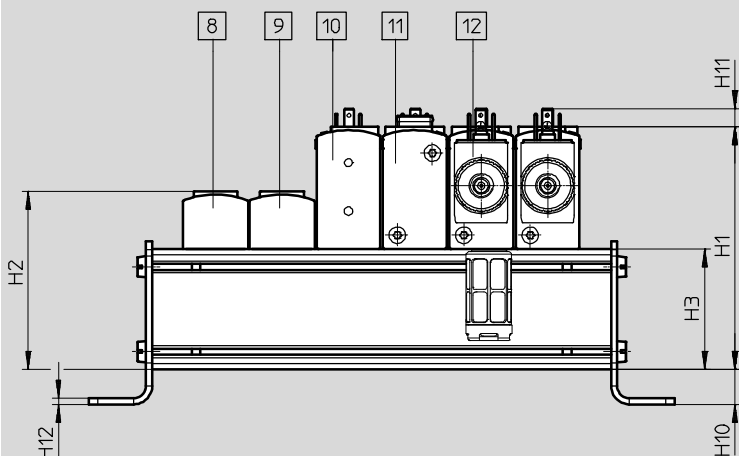
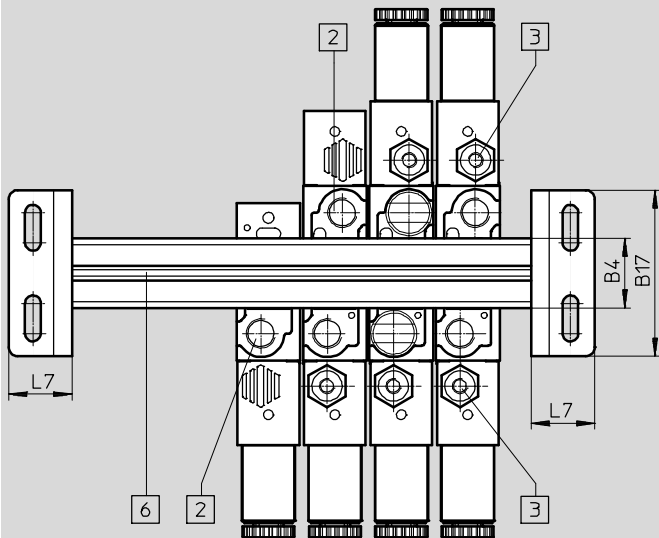
Valve manifold VTUS

Technical data – Valve manifold

Dimensions – Supply manifold

Download CAD data → www.festo.com

Mounting on both sides



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

| 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 |

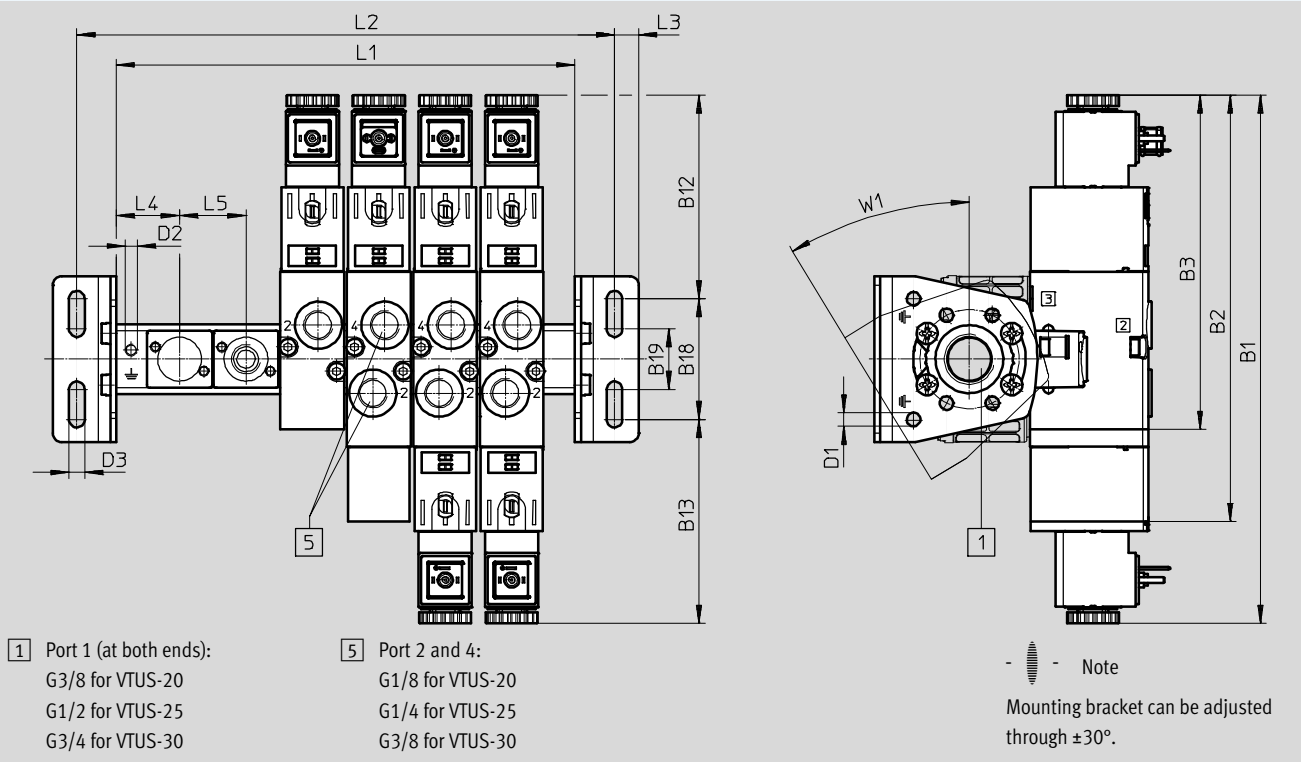
Valve manifold VTUS

Technical data – Valve manifold

Dimensions – Supply manifold

Download CAD data → www.festo.com

Mounting on both sides



| 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 [mm] | 64 | 86 | 108 | 130 | 152 | 174 | 196 | 218 | 240 |
| | L2 [mm] | 90 | 112 | 134 | 156 | 178 | 200 | 222 | 244 | 266 |
| VTUS-25 | L1 [mm] | 87 | 114.5 | 142 | 169.5 | 197 | 224.5 | 252 | 279.5 | 307 |
| | L2 [mm] | 119 | 146.5 | 174 | 201.5 | 229 | 256.5 | 284 | 311.5 | 339 |
| VTUS-30 | L1 [mm] | 100 | 132 | 164 | 196 | 228 | 260 | 292 | 324 | 356 |
| | L2 [mm] | 134 | 166 | 198 | 230 | 262 | 294 | 326 | 358 | 390 |

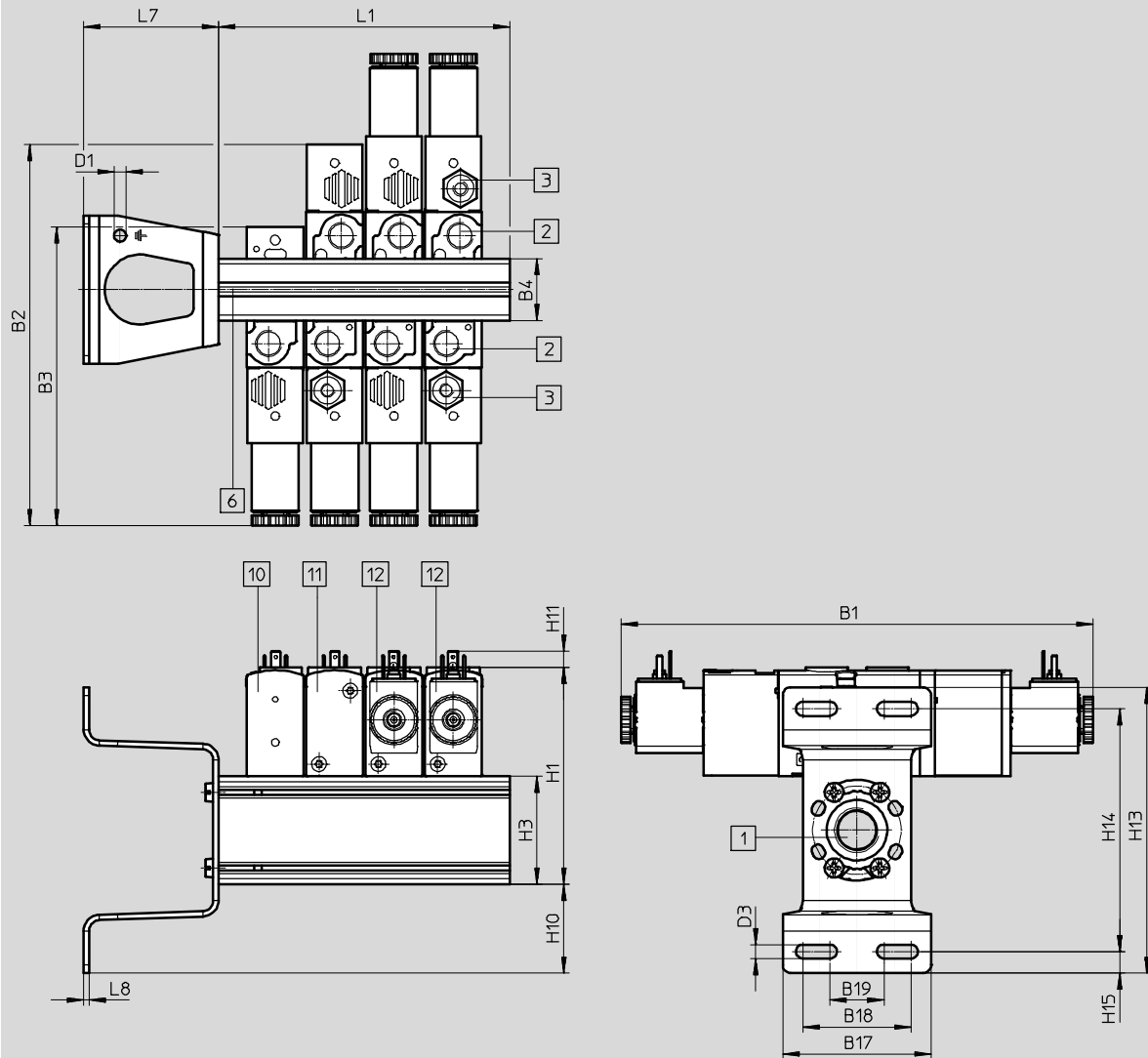
Valve manifold VTUS

Technical data – Valve manifold

Dimensions – Supply manifold

Download CAD data → www.festo.com


Mounting on one side



- 1** Port 1 (at both ends): 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 valve, single solenoid
- 12** 5/2-way valve, double solenoid, or 5/3-way valve

 Note
Mounting bracket can be adjusted through ±30°.

Valve manifold VTUS

Technical data – Valve manifold

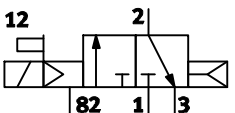
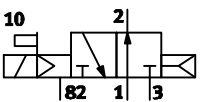
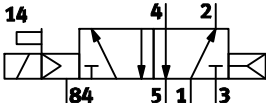
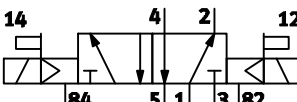
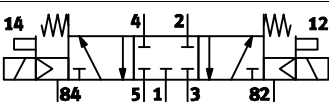
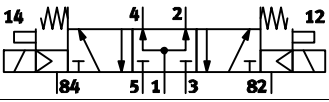
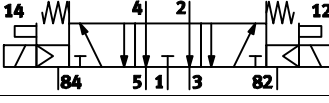
| Type | B1 | B2 | B4 | B17 | B18 | B19 |
|---------|-------|-------|------|-----|-----|-----|
| VTUS-20 | 174.9 | 110.7 | 23 | 55 | 40 | 20 |
| VTUS-25 | 200.3 | 129.2 | 28.7 | 80 | 60 | 35 |
| VTUS-30 | 220.3 | 144.9 | 34 | 85 | 65 | 35 |

| 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 [mm] | 64 | 86 | 108 |
| VTUS-25 | L1 [mm] | 87 | 114.5 | 142 |
| VTUS-30 | L1 [mm] | 100 | 132 | 164 |

Solenoid valves VUVS


Order code – Solenoid valves


| | | | | | |
|-----------------------------------|--|---|-----------|--|-------------|
| VUVS | | L | | | |
| Valve design | | | | | |
| In-line valve | | L | | | |
| Size | | | | | |
| Valve width | | 21 mm | 20 | | |
| | | 26.5 mm | 25 | | |
| | | 31 mm | 30 | | |
| Valve functions | | | | | |
| 12 | |  | | | M32C |
| 10 | |  | | | M32U |
| 14 | |  | | | M52 |
| 14 | |  | | | B52 |
| 14 | |  | | | P53C |
| 14 | |  | | | P53U |
| 14 | |  | | | P53E |
| Type of reset | | | | | |
| Pneumatic spring for M52 and M32 | | | | | A |
| Mechanical spring for M52 and M32 | | | | | M |
| For B52 and P53 | | | | | - |
| Pilot air supply | | | | | |
| Internal | | | | | - |
| External | | | | | Z |


| | |
|------------------------------------|--|
| Degree of protection for electrics | |
| - | Standard |
| S8 | IP67 |
| Electrical connection | |
| - | None |
| C1 | Connection pattern type C, to EN 175301 |
| B2 | Connection pattern type B, industry standard |
| Nominal operating voltage | |
| - | None |
| 1 | 24 V DC |
| 1A | 24 V AC |
| 3W | 230/240 V AC |
| 5 | 12 V DC |
| 16B | 110/120 V AC |
| Valve pilot control interface | |
| F7 | With 8 mm armature tube, short |
| F8 | With 8 mm armature tube, standard |
| Exhaust | |
| - | Without fitting |
| QN | With fitting |
| U1 | Silencer with metal housing |
| U3 | Silencer with polymer housing |
| Pneumatic connection | |
| G18 | G1/8 |
| G14 | G1/4 |
| G38 | G3/8 |
| Q4 | Push-in connector 4 mm |
| Q6 | Push-in connector 6 mm |
| Q8 | Push-in connector 8 mm |
| Q10 | Push-in connector 10 mm |
| Q12 | Push-in connector 12 mm |
| Manual override | |
| D | Non-detenting, detenting without accessories |
| S | Covered |
| H | Non-detenting |

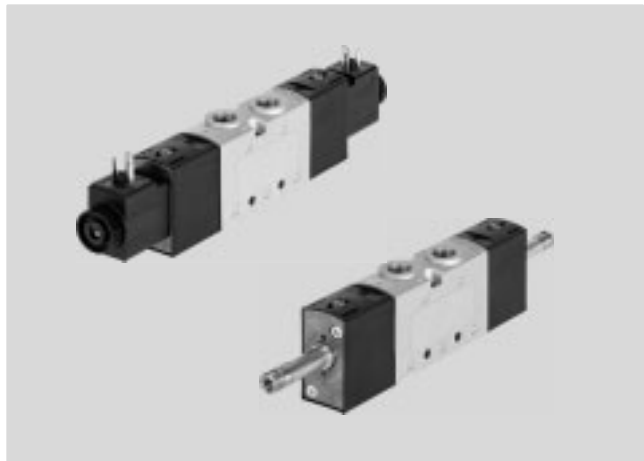
Solenoid valves VUVS

Technical data – Solenoid valves, size 20

-  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 | | 5/2 | | 5/3 | | |
| Order code for valves | M32C | M32U | M52 | B52 | P53C | P53U | P53E |
| Valve width [mm] | 21 | | | | | | |
| Nominal size [mm] | 5.7 | | | | 5 | 4.8 | 4.5 |
| Design | Piston spool | | | | | | |
| Direction of flow | Reversible with external pilot air supply | | | | | | |
| Pilot air supply | Internal or external | | | | | | |
| Type of actuation | Piloted | | | | | | |
| Manual override | Non-detenting, detenting | | | | | | |
| Non-overlapping | Yes | | | | | | |
| Sealing principle | Soft | | | | | | |
| Type of mounting | Optionally via through-hole or on manifold rail | | | | | | |
| Standard nominal flow rate [q _{nN}] | 700 | 700 | 700 | 700 | 600 | | |
| Type of actuation | Electrical | | | | | | |
| Mounting position | Any | | | | | | |
| Exhaust air function | With flow control | | | | | | |
| Pneumatic connection | G $\frac{1}{8}$ | | | | | | |
| 1, 2, 4, 3, 5 | | | | | | | |
| Auxiliary pilot air port 12/14 | M5 | | | | | | |
| Pilot exhaust air port 82/84 | M5 | | | | | | |
| CRC ¹⁾ | 2 | | | | | | |

1) Corrosion resistance class CRC 2 to Festo standard FN 940070
Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

| Technical data – 3/2-way valves | | | | | |
|--|------------------|-----|-------------------|------------------|-------------------|
| Order code for valves | M32C | | | M32U | |
| Normal position | Closed | | | Open | |
| Stable positions | Single solenoid | | | Single solenoid | |
| Reset method | Pneumatic spring | | Mechanical spring | Pneumatic spring | Mechanical spring |
| Switching times | On | 14 | 14 | 14 | 15 |
| | Off | 21 | 32 | 21 | 28 |
| | Change-over | – | – | – | – |
| Product weight excluding solenoid coil | [g] | 138 | 136 | 138 | 136 |
| Product weight including solenoid coil | [g] | 172 | 170 | 172 | 170 |

Solenoid valves VUVS

Technical data – Solenoid valves, size 20

| Technical data – 5/2-way valves | | | | |
|--|-------------|------------------|-----|-------------------|
| Order code for valves | | M52 | | B52 |
| Normal position | | – | | – |
| Stable positions | | Single solenoid | | Double solenoid |
| Reset method | | Pneumatic spring | | Mechanical spring |
| Switching times | On | 20 | 12 | – |
| | Off | 29 | 44 | – |
| | Change-over | – | – | 10 |
| Product weight excluding solenoid coil | [g] | 188 | 183 | 225 |
| Product weight including solenoid coil | [g] | 222 | 217 | 259 |

| Technical data – 5/3-way valves | | | | |
|--|-------------|-------------------|------|-------------|
| Order code for valves | | P53C | P53U | P53E |
| Normal position/mid-position | | Closed | | Pressurised |
| Stable positions | | Single solenoid | | |
| Reset method | | Mechanical spring | | |
| Switching times | On | 13 | 13 | 13 |
| | Off | 42 | 42 | 44 |
| | Change-over | 24 | 21 | 24 |
| Product weight excluding solenoid coil | [g] | 229 | 229 | 229 |
| Product weight including solenoid coil | [g] | 263 | 263 | 263 |

| 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 | [bar] | 2.5 ... 10 | | 1.5 ... 10 | 2.5 ... 10 |
| Operating pressure with external pilot air supply | [bar] | –0.9 ... +10 | | | |
| Pilot pressure | [bar] | 2.5 ... 10 | | 1.5 ... 10 | 2.5 ... 10 |
| Ambient temperature | [°C] | –10 ... +60 | | | |
| Temperature of medium | [°C] | –10 ... +60 | | | |

| Electrical data | | |
|--------------------------------------|-----------------------|---------------------------------------|
| | With solenoid coil | Without solenoid coil |
| Electrical connection | Plug type C | |
| Operating voltage [V DC] | 24 | Via solenoid coil → Internet: vacs |
| Permissible voltage fluctuations [%] | ±10 | |
| Performance [W] | 2.5 | |
| Duty cycle ED [%] | 100 | |
| Degree of protection to EN 60529 | IP65 with plug socket | |

| Information on materials | |
|--------------------------|-------------------------|
| Housing | Die-cast aluminium |
| Seals | HNBR, NBR |
| Piston spool | Wrought aluminium alloy |
| Note on materials | RoHS compliant |

Solenoid valves VUVS

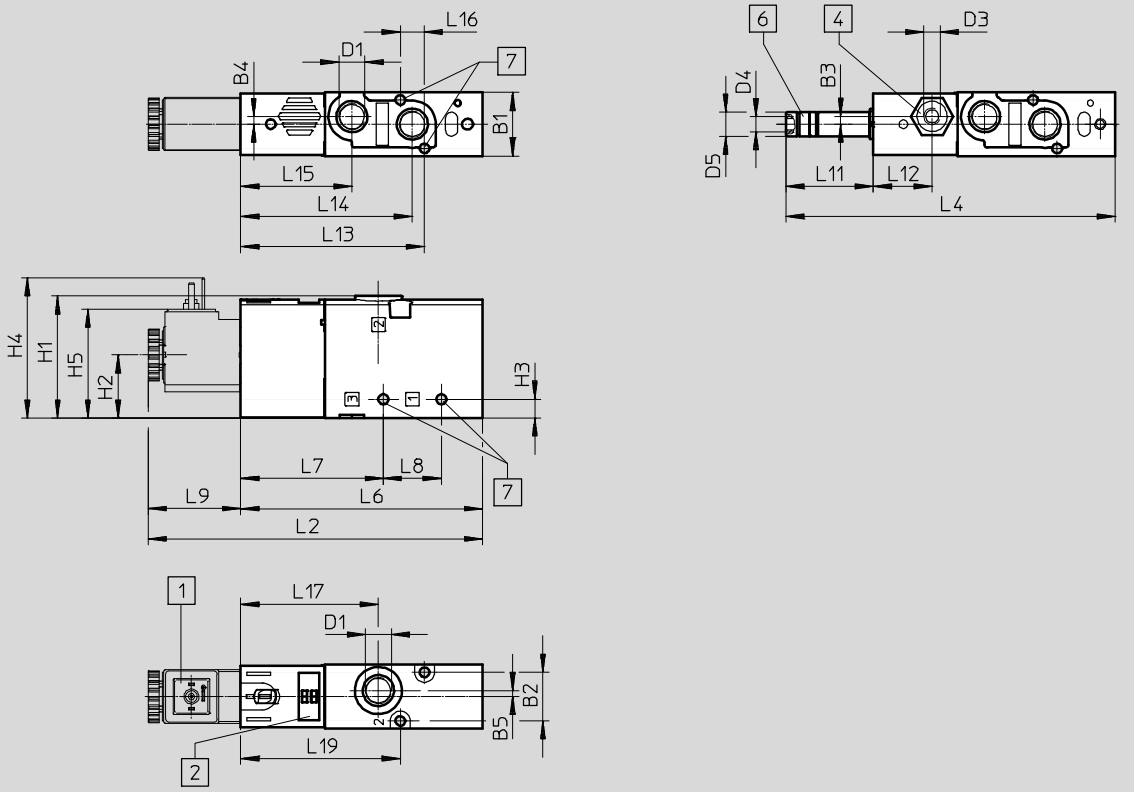
Technical data – Solenoid valves, size 20

Dimensions

Download CAD data → www.festo.com

3/2-way valves, with solenoid coil

3/2-way valves, without solenoid coil



- 1 Solenoid coil interface type C
- 2 Location for inscription label
- 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 Ø | H1 | H2 | H3 | H4 | H5 |
|-------------------------------|------|------|-----|-----|----|------|----|----|------|----|------|-----|------|------|
| VUVS-L20-M32...-...D-G18-... | 21.1 | 16.1 | – | 2.5 | 2 | G1/8 | – | M5 | 8 | 40 | 20.9 | 6.2 | 46.7 | 36.4 |
| VUVS-L20-M32...-...ZD-G18-... | | | 2.6 | | | G1/8 | M5 | M5 | | | | | | |

| Type | L2 | L4 | L6 | L7 | L8 | L9 | L11 | L12 | L13 | L14 | L15 | L16 | L17 | L19 |
|-------------------------------|-------|-------|------|------|------|------|-----|------|------|------|------|-----|------|------|
| VUVS-L20-M32...-...D-G18-... | 110.7 | 109.1 | 80.1 | 47.3 | 19.2 | 30.6 | 29 | – | 60.9 | 56.9 | 36.9 | 8 | 45.6 | 52.9 |
| VUVS-L20-M32...-...ZD-G18-... | | | | | | | | 19.5 | | | | | | |

Solenoid valves VUVS

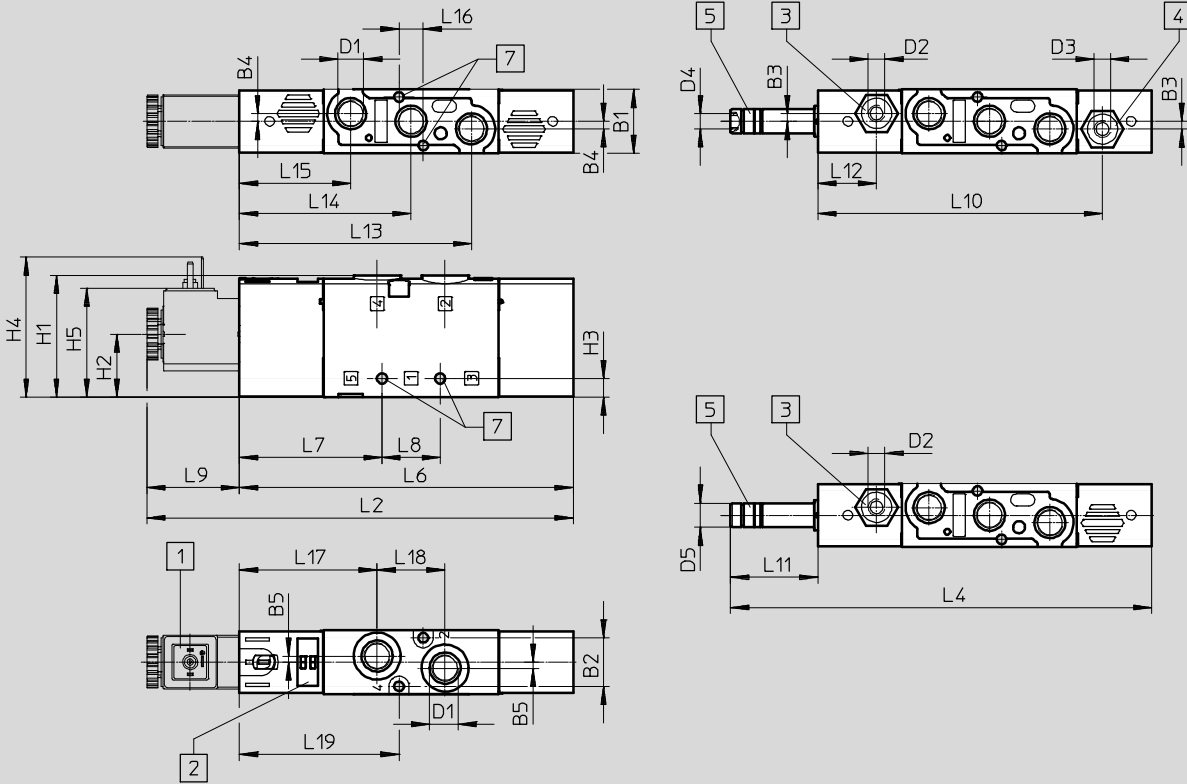
Technical data – Solenoid valves, size 20

Dimensions

Download CAD data → www.festo.com

5/2-way valves, with solenoid coil

5/2-way valves, without solenoid coil



- 1 Solenoid coil interface type C
- 2 Location 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 M3

| Type | B1 | B2 | B3 | B4 | B5 | D1 | D2 | D3 | D4 | D5 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 | 6.2 | 46.7 | 36.4 |
| VUVS-L20-M52-...ZD-G18-... | | | 2.6 | | | G1/8 | M5 | M5 | M5 | | | | | | |

| Type | L2 | L4 | L6 | L7 | L8 | L9 | L10 | L11 | L12 | L13 | L14 | L15 | L16 | L17 | L18 | L19 |
|----------------------------|-------|-------|-------|------|------|------|------|-----|------|------|------|------|-----|------|------|------|
| VUVS-L20-M52-...D-G18-... | 141.2 | 139.6 | 110.6 | 47.3 | 19.2 | 30.6 | - | 29 | - | 76.9 | 56.9 | 36.9 | 8 | 45.6 | 22.5 | 52.9 |
| VUVS-L20-M52-...ZD-G18-... | | | | | | | 94.3 | | 19.5 | | | | | | | |

Solenoid valves VUVS

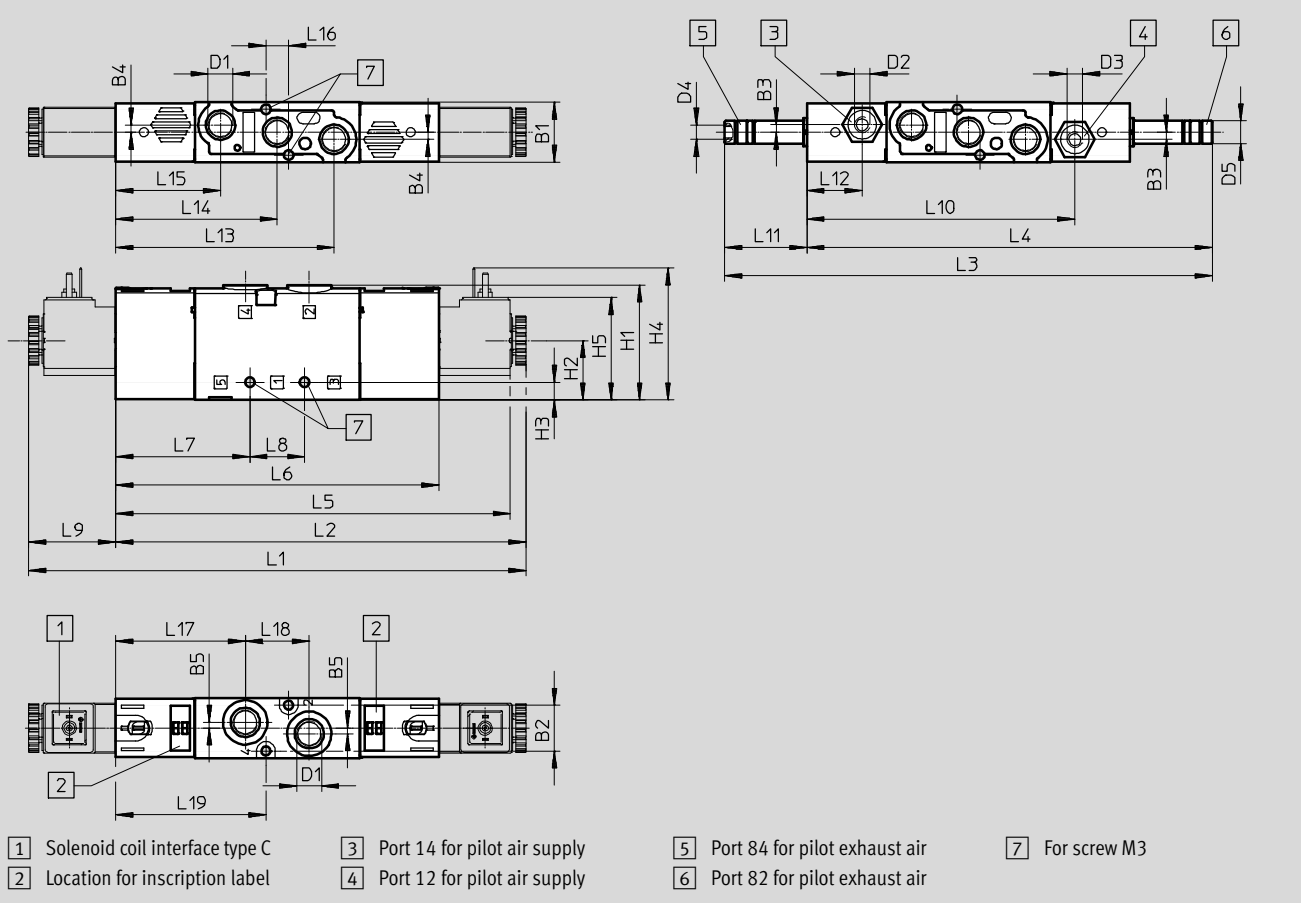
Technical data – Solenoid valves, size 20

Dimensions

Download CAD data → www.festo.com

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

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



| Type | B1 | B2 | B3 | B4 | B5 | D1 | D2 | D3 | D4 | D5 Ø | 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 | 6.2 | 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 | 47.3 | 19.2 | 30.6 | – | 29 |
| VUVS-L20-P53...-MZD-G18-... | | | | | | | | | | 94.3 | |
| VUVS-L20-B52-D-G18-... | | | | | | | | | | – | |
| VUVS-L20-B52-ZD-G18-... | | | | | | | | | | 94.3 | |

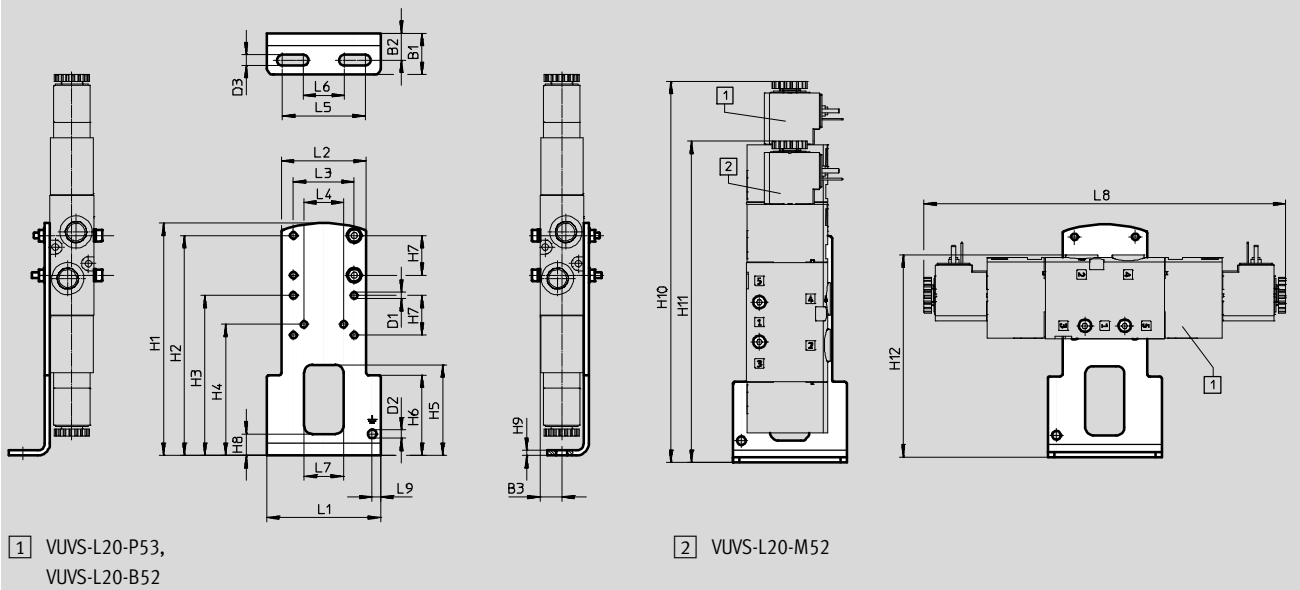
| Type | L12 | L13 | L14 | L15 | L16 | L17 | L18 | L19 |
|-----------------------------|------|------|------|------|-----|------|------|------|
| VUVS-L20-P53...-MD-G18-... | – | 76.9 | 56.9 | 36.9 | 8 | 45.6 | 22.5 | 52.9 |
| VUVS-L20-P53...-MZD-G18-... | 19.5 | | | | | | | |
| VUVS-L20-B52-D-G18-...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

Solenoid valves VUVS/valve manifold VTUS

Accessories – Valves, size 20

Dimensions

Foot mounting



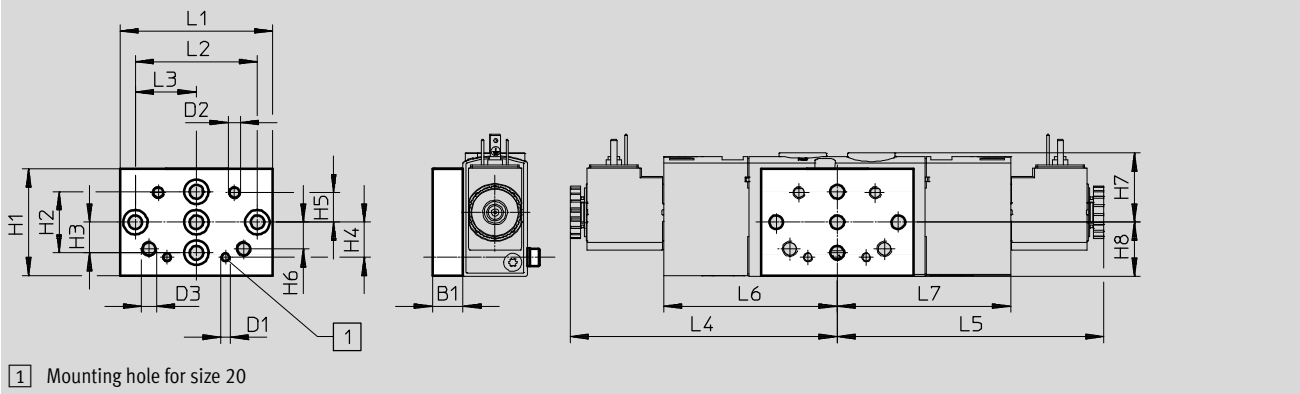
| Type | | B1 | B2 | B3 | D1 Ø | D2 Ø | D3 Ø | H1 | H2 | H3 | H4 | H5 |
|---------------|------------------|----|------|------|------|------|------|-------|-------|------|------|----|
| VAME-B10-20-A | VUVS-L20-B52/P53 | 20 | 13.1 | 10.6 | 3.2 | 4.2 | 5.2 | 112.5 | 106.5 | 77.5 | 63.5 | 44 |
| | VUVS-L20-M52 | | | | | | | | | | | |
| | VUVS-L20-M32 | | | | | | | | | | | |

| Type | | H6 | H7 | H8 | H9 | H10 | H11 | H12 |
|---------------|------------------|----|------|------|-----|-------|-------|------|
| VAME-B10-20-A | VUVS-L20-B52/P53 | 39 | 19.2 | 10.5 | 2.5 | 184.4 | – | 97.7 |
| | VUVS-L20-M52 | | | | | – | 155.4 | |
| | VUVS-L20-M32 | | | | | 102.2 | – | |

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

Dimensions

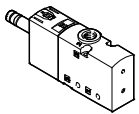
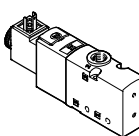
Wall mounting



| Type | | B1 | D1 | D2 | D3 | H1 | H2 | H3 | H4 | H5 | H6 | H7 | H8 | L1 | L2 | L3 | L4 | L5 | L6 | L7 |
|---------------|------------------|----|----|----|----|----|----|----|------|-----|-----|------|------|----|----|----|------|------|------|------|
| VAME-B10-20-W | VUVS-L20-B52/P53 | 10 | M3 | M4 | M5 | 35 | 20 | 10 | 11.5 | 9.7 | 8.7 | 22.7 | 17.7 | 50 | 40 | 20 | 87.5 | 87.4 | 56.9 | 56.8 |
| | VUVS-L20-M52 | | | | | | | | | | | | | | | | – | | 53.8 | |
| | VUVS-L20-M32 | | | | | | | | | | | | | | | | – | | 23.3 | |

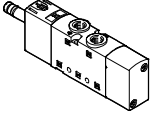
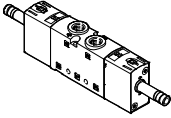
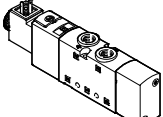
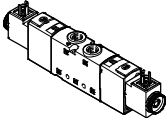
Solenoid valves VUVS/valve manifold VTUS

Ordering data – Solenoid valves

| Ordering data | | | | |
|---|-------------------------|---|----------|------------------------------|
| | Code | Valve function | Part No. | Type |
| 3/2-way valve without solenoid coil | | | | |
|  | Single solenoid, closed | | | |
| | M32C-A | Pneumatic spring return, internal pilot air supply, direction of flow not reversible | 575255 | VUVS-L20-M32C-AD-G18-F7 |
| | | Pneumatic spring return, external pilot air supply, direction of flow reversible | 575257 | VUVS-L20-M32C-AZD-G18-F7 |
| | M32C-M | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575260 | VUVS-L20-M32C-MD-G18-F7 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575259 | VUVS-L20-M32C-MZD-G18-F7 |
| | Single solenoid, open | | | |
| | M32U-A | Pneumatic spring return, internal pilot air supply, direction of flow not reversible | 575256 | VUVS-L20-M32U-AD-G18-F7 |
| | | Pneumatic spring return, external pilot air supply, direction of flow reversible | 575258 | VUVS-L20-M32U-AZD-G18-F7 |
| | M32U-M | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575262 | VUVS-L20-M32U-MD-G18-F7 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575261 | VUVS-L20-M32U-MZD-G18-F7 |
| 3/2-way valve with solenoid coil (24 V DC) | | | | |
|  | Single solenoid, closed | | | |
| | M32C-A | Pneumatic spring return, internal pilot air supply, direction of flow not reversible | 575269 | VUVS-L20-M32C-AD-G18-F7-1C1 |
| | | Pneumatic spring return, external pilot air supply, direction of flow reversible | 575271 | VUVS-L20-M32C-AZD-G18-F7-1C1 |
| | M32C-M | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575274 | VUVS-L20-M32C-MD-G18-F7-1C1 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575273 | VUVS-L20-M32C-MZD-G18-F7-1C1 |
| | Single solenoid, open | | | |
| | M32U-A | Pneumatic spring return, internal pilot air supply, direction of flow not reversible | 575270 | VUVS-L20-M32U-AD-G18-F7-1C1 |
| | | Pneumatic spring return, external pilot air supply, direction of flow reversible | 575272 | VUVS-L20-M32U-AZD-G18-F7-1C1 |
| | M32U-M | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575276 | VUVS-L20-M32U-MD-G18-F7-1C1 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575275 | VUVS-L20-M32U-MZD-G18-F7-1C1 |

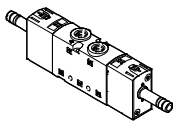
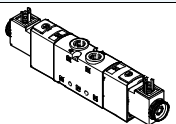
Solenoid valves VUVS/valve manifold VTUS

Ordering data – Solenoid valves

| Ordering data | | | | |
|---|---|---|----------------------------|-----------------------------|
| | Code | Valve function | Part No. | Type |
| 5/2-way valve without solenoid coil | | | | |
|  | Single solenoid | | | |
| | M52-A | Pneumatic spring return, internal pilot air supply, direction of flow not reversible | 575249 | VUVS-L20-M52-AD-G18-F7 |
| | | Pneumatic spring return, external pilot air supply, direction of flow reversible | 575675 | VUVS-L20-M52-AZD-G18-F7 |
| | M52-M | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575250 | VUVS-L20-M52-MD-G18-F7 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575679 | VUVS-L20-M52-MZD-G18-F7 |
| |  | Double solenoid | | |
| B52 | | Internal pilot air supply, direction of flow not reversible | 575251 | VUVS-L20-B52-D-G18-F7 |
| | | External pilot air supply, direction of flow reversible | 575682 | VUVS-L20-B52-ZD-G18-F7 |
| 5/2-way valve with solenoid coil (24 V DC) | | | | |
|  | Single solenoid | | | |
| | M52-A | Pneumatic spring return, internal pilot air supply, direction of flow not reversible | 575263 | VUVS-L20-M52-AD-G18-F7-1C1 |
| | | Pneumatic spring return, external pilot air supply, direction of flow reversible | 575676 | VUVS-L20-M52-AZD-G18-F7-1C1 |
| | M52-M | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575264 | VUVS-L20-M52-MD-G18-F7-1C1 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575680 | VUVS-L20-M52-MZD-G18-F7-1C1 |
| |  | Double solenoid | | |
| B52 | | Internal pilot air supply, direction of flow not reversible | 575265 | VUVS-L20-B52-D-G18-F7-1C1 |
| | External pilot air supply, direction of flow reversible | 575683 | VUVS-L20-B52-ZD-G18-F7-1C1 | |




Solenoid valves VUVS/valve manifold VTUS


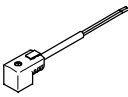

Ordering data – Solenoid valves


| Ordering data | | | | |
|---|---|---|----------|------------------------------|
| | Code | Valve function | Part No. | Type |
| 5/3-way valve without solenoid coil | | | | |
|  | Closed | | | |
| | P53C | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575254 | VUVS-L20-P53C-MD-G18-F7 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575685 | VUVS-L20-P53C-MZD-G18-F7 |
| | Exhausted | | | |
| | P53E | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575252 | VUVS-L20-P53E-MD-G18-F7 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575691 | VUVS-L20-P53E-MZD-G18-F7 |
| | Pressurised | | | |
| | P53U | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575253 | VUVS-L20-P53U-MD-G18-F7 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575688 | VUVS-L20-P53U-MZD-G18-F7 |
| | 5/3-way valve with solenoid coil (24 V DC) | | | |
|  | Closed | | | |
| | P53C | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575268 | VUVS-L20-P53C-MD-G18-F7-1C1 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575686 | VUVS-L20-P53C-MZD-G18-F7-1C1 |
| | Exhausted | | | |
| | P53E | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575266 | VUVS-L20-P53E-MD-G18-F7-1C1 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575692 | VUVS-L20-P53E-MZD-G18-F7-1C1 |
| | Pressurised | | | |
| | P53U | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575267 | VUVS-L20-P53U-MD-G18-F7-1C1 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575689 | VUVS-L20-P53U-MZD-G18-F7-1C1 |

Solenoid valves VUVS/valve manifold VTUS

Ordering data – Solenoid valves

| Ordering data | | | | |
|---|--|----------|-----------------|--|
| | Valve function | Part No. | Type | |
| Solenoid coils for valves | | | | |
|  | 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 | 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 valves | 8028240 | VAMC-B10-20-CH2 | |



| Ordering data | | | | | |
|---|---|----------|--------|-------------------------|--------------------------|
| Plug socket | | | | | |
|  | Port pattern type C, to DIN EN 175301-803 | | | | |
| | Angled socket, 3-pin | 230 V AC | IP65 | 539712 MSSD-EB-M12 | |
| | Angled socket, 4-pin | | IP67 | 192745 MSSD-EB-S-M14 | |
| | Angled socket, 3-pin, straight plug connector, M12, 2-pin | 24 V DC | IP65 | 188024 MSSD-EB-M12-MONO | |
| Plug socket with cable | | | | | |
|  | Port pattern type C, to DIN EN 175301-803 | | | | |
| | Angled socket, 3-pin 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 | | | | | |
|  | 24 V DC, type C, to DIN EN 175301-803 | | 151717 | MEB-LD-12-24DC | |
| | 230 V AC, type C, to DIN EN 175301-803 | | 151718 | MEB-LD-230AC | |

| Ordering data | | | | |
|---|--|----------|------------------------|------------------|
| | Description | Part No. | Type | PU 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 |

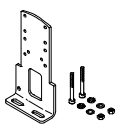
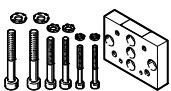
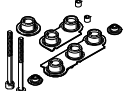
1) Packaging unit

Solenoid valves VUVS/valve manifold VTUS

Ordering data – Solenoid valves


| Ordering data | | | | | |
|---|---|----------|---------------|-----------------------|------------|
| Description | | Part No. | Type | PU ¹⁾ | |
| Angled push-in fitting with external hex | | | | | |
|  | Connecting thread G ¹ / 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 G ¹ / 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 | | | | |
|---|---|----------|----------------|-----------------------|
| Description | Weight [g] | Part No. | Type | |
| Foot mounting | | | | |
|  | With screw set for attaching the valve to the foot mounting | 97 | 576412 | VAME-B10-20-A |
| Wall mounting | | | | |
|  | With screw set for attaching the valve to the wall mounting | 53 | 576413 | VAME-B10-20-W |
| Spare parts selection | | | | |
|  | Set comprising seals and screws | 10 | 8026203 | VAME-B10-20-MK |

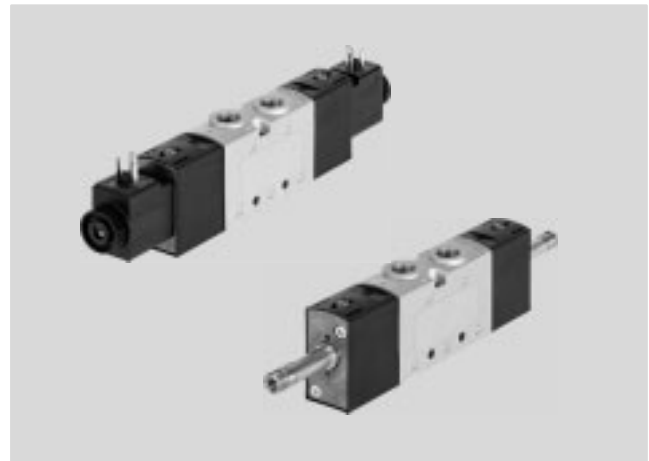
Solenoid valves VUVS

Technical data – Solenoid valves, size 25

-  - Flow rate
Up to 1300 l/min

-  - Valve width
26.5mm

-  - Voltage
12, 24 V DC
24, 110, 120, 230, 240 V AC



| General technical data | | | | | | | |
|----------------------------------|---|------|------|-----|------|------|------|
| Valve function | 3/2 | | 5/2 | | 5/3 | | |
| Order code for valves | M32C | M32U | M52 | B52 | P53C | P53U | P53E |
| Valve width [mm] | 26.5 | | | | | | |
| Nominal size [mm] | 6.3 | | 6.9 | | 6.5 | | 6.3 |
| Design | Piston spool | | | | | | |
| Direction of flow | Reversible with external pilot air supply | | | | | | |
| Pilot air supply | Internal or external | | | | | | |
| Type of actuation | Piloted | | | | | | |
| Manual override | Non-detenting, detenting | | | | | | |
| Non-overlapping | Yes | | | | | | |
| Sealing principle | Soft | | | | | | |
| Type of mounting | Optionally via through-hole or on manifold rail | | | | | | |
| Standard nominal flow rate [qnN] | 1000 | | 1300 | | 1300 | | 1200 |
| Type of actuation | Electrical | | | | | | |
| Mounting position | Any | | | | | | |
| Exhaust air function | With flow control | | | | | | |
| Pneumatic connection | G $\frac{1}{4}$ | | | | | | |
| 1, 2, 4, 3, 5 | G $\frac{1}{4}$ | | | | | | |
| Auxiliary pilot air port 12/14 | M5 | | | | | | |
| Pilot exhaust air port 82/84 | M5 | | | | | | |
| CRC ¹⁾ | 2 | | | | | | |

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

Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

| Technical data – 3/2-way valves | | | | | |
|--|-------------|-------------------|-----|-------------------|-----|
| Order code for valves | | M32C | | M32U | |
| Normal position | | Closed | | Open | |
| Stable positions | | Single solenoid | | Single solenoid | |
| Reset method | | Pneumatic spring | | Pneumatic spring | |
| Switching times | | Mechanical spring | | Mechanical spring | |
| | On | 13 | 11 | 12 | 11 |
| | Off | 26 | 40 | 26 | 39 |
| | Change-over | – | – | – | – |
| Product weight excluding solenoid coil | [g] | 244 | 244 | 244 | 244 |
| Product weight including solenoid coil | [g] | 297 | 297 | 297 | 297 |

Solenoid valves VUVS

Technical data – Solenoid valves, size 25

| Technical data – 5/2-way valves | | | | |
|--|-------------|------------------|-------------------|-----------------|
| Order code for valves | | M52 | | B52 |
| Normal position | | – | | – |
| Stable positions | | Single solenoid | | Double solenoid |
| Reset method | | Pneumatic spring | Mechanical spring | – |
| Switching times | On | 19 | 12 | – |
| | Off | 35 | 47 | – |
| | Change-over | – | – | 11 |
| Product weight excluding solenoid coil | [g] | 311 | 311 | 322 |
| Product weight including solenoid coil | [g] | 363 | 363 | 428 |

| Technical data – 5/3-way valves | | | | |
|--|-------------|-------------------|-------------|-----------|
| Order code for valves | | P53C | P53U | P53E |
| Normal position/mid-position | | Closed | Pressurised | Exhausted |
| Stable positions | | Single solenoid | | |
| Reset method | | Mechanical spring | | |
| Switching times | On | 13 | 14 | 14 |
| | Off | 42 | 48 | 48 |
| | Change-over | 26 | 25 | 25 |
| Product weight excluding solenoid coil | [g] | 324 | 324 | 324 |
| Product weight including solenoid coil | [g] | 430 | 430 | 430 |

| 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 | [bar] | 2.5 ... 10 | | 1.5 ... 10 | 2.5 ... 10 |
| Operating pressure with external pilot air supply | [bar] | –0.9 ... +10 | | | |
| Pilot pressure | [bar] | 2.5 ... 10 | | 1.5 ... 10 | 2.5 ... 10 |
| Ambient temperature | [°C] | –10 ... +60 | | | |
| Temperature of medium | [°C] | –10 ... +60 | | | |

| Electrical data | | | |
|----------------------------------|--------|--------------------------|-----------------------|
| | | With solenoid coil | Without solenoid coil |
| Electrical connection | | Plug type C, plug type B | Via solenoid coil |
| Operating voltage | [V DC] | 24 | → Internet: vacf |
| Permissible voltage fluctuations | [%] | 10 | |
| Performance | [W] | 3.3 | |
| Duty cycle ED | [%] | 100 | |
| Degree of protection to EN 60529 | | IP65 with plug socket | |

| Information on materials | |
|--------------------------|-------------------------|
| Housing | Die-cast aluminium |
| Seals | HNBR, NBR |
| Piston spool | Wrought aluminium alloy |
| Note on materials | RoHS compliant |

Solenoid valves VUVS

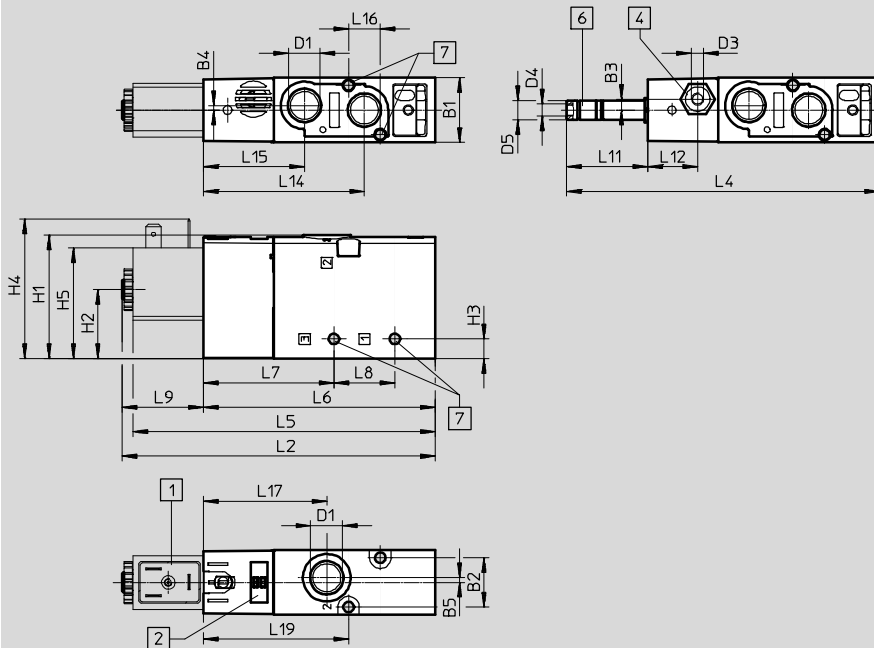
Technical data – Solenoid valves, size 25

Dimensions

Download CAD data → 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
- 2 Location for inscription label
- 4 Port 10/12 for pilot air supply
- 6 Port 82 for pilot exhaust air
- 7 For screw M4

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

Solenoid valves VUVS

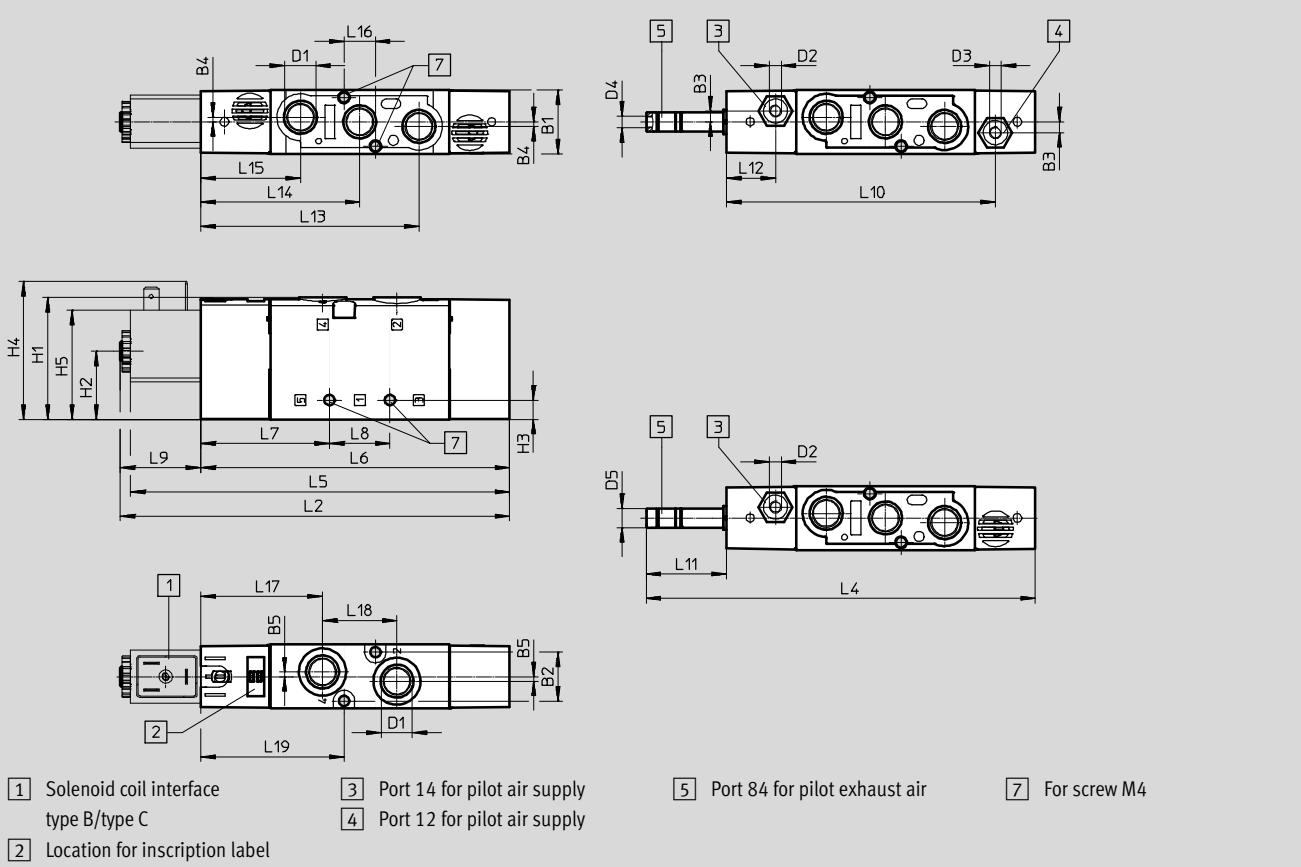
Technical data – Solenoid valves, size 25

Dimensions

Download CAD data → www.festo.com

5/2-way valves, with solenoid coil

5/2-way valves, without solenoid coil



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

Solenoid valves VUVS

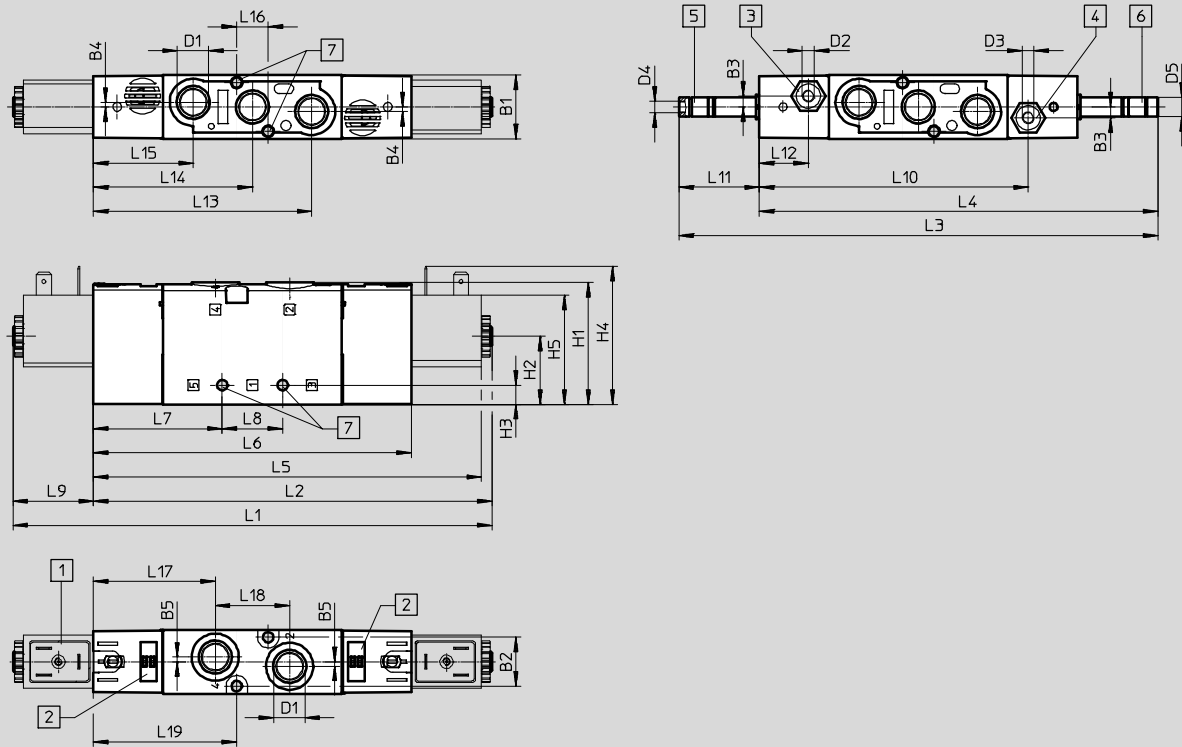
Technical data – Solenoid valves, size 25

Dimensions

Download CAD data → www.festo.com

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

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



- 1 Solenoid coil interface type B/type C
- 2 Location 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 | D1 | D2 | D3 | D4 | D5 ∅ | H1 | H2 | H3 | H4 | H5 |
|-----------------------------|------|------|-----|-----|-----|------|----|----|----|---------|------|------|----|------|------|
| VUVS-L25-P53...-MD-G14-... | 26.5 | 20.2 | – | 1.9 | 1.9 | G1/4 | – | – | M5 | 8 | 50.5 | 28.2 | 8 | 57.2 | 45.2 |
| VUVS-L25-P53...-MZD-G14-... | | | 4.5 | | | | M5 | M5 | | | | | | | |
| VUVS-L25-B52-D-G14-... | | | – | | | | – | – | | | | | | | |
| VUVS-L25-B52-ZD-G14-... | | | 4.5 | | | | M5 | M5 | | | | | | | |

| Type | L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 | L10 | L11 |
|-----------------------------|-------|-----|-------|-------|-------|-------|------|----|------|-------|------|
| VUVS-L25-P53...-MD-G14-... | 200.3 | 166 | 198.2 | 164.9 | 160.6 | 131.6 | 53.3 | 25 | 33.3 | – | 33.3 |
| VUVS-L25-P53...-MZD-G14-... | | | | | | | | | | 111.3 | |
| VUVS-L25-B52-D-G14-... | | | | | | | | | | – | |
| VUVS-L25-B52-ZD-G14-... | | | | | | | | | | 111.3 | |

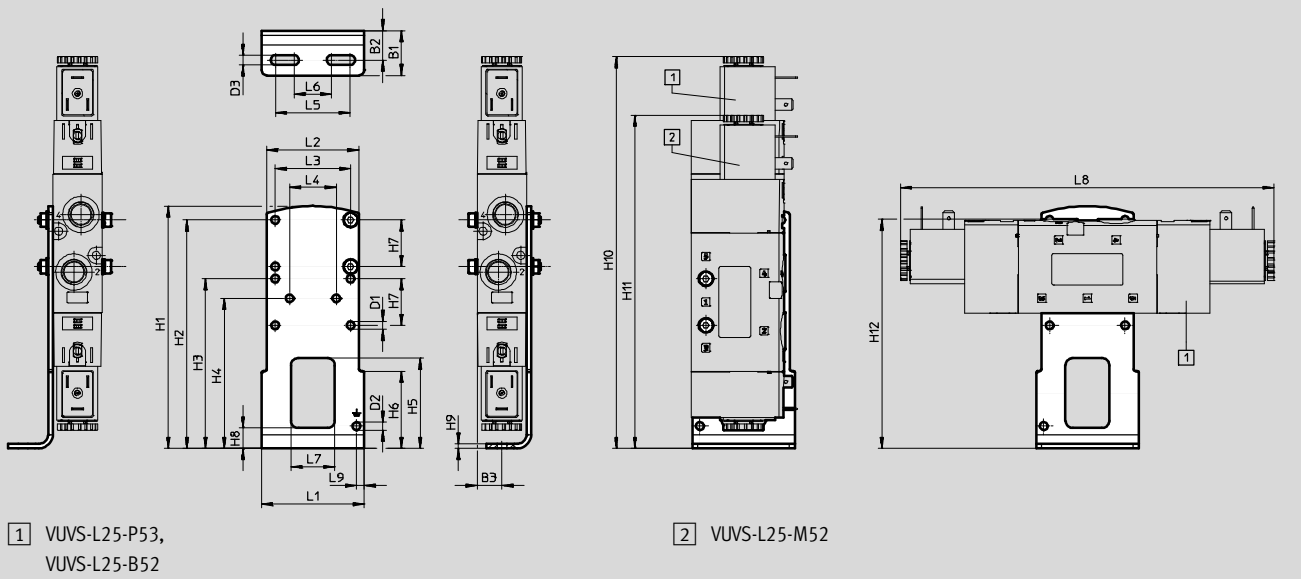
| Type | L12 | L13 | L14 | L15 | L16 | L17 | L18 | L19 |
|-----------------------------|------|------|------|------|-----|------|------|------|
| VUVS-L25-P53...-MD-G14-... | – | 90.3 | 65.8 | 41.3 | 13 | 50.4 | 30.8 | 59.3 |
| VUVS-L25-P53...-MZD-G14-... | 20.3 | | | | | | | |
| VUVS-L25-B52-D-G14-...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

Solenoid valves VUVS

Accessories – Valves, size 25

Dimensions

Foot mounting



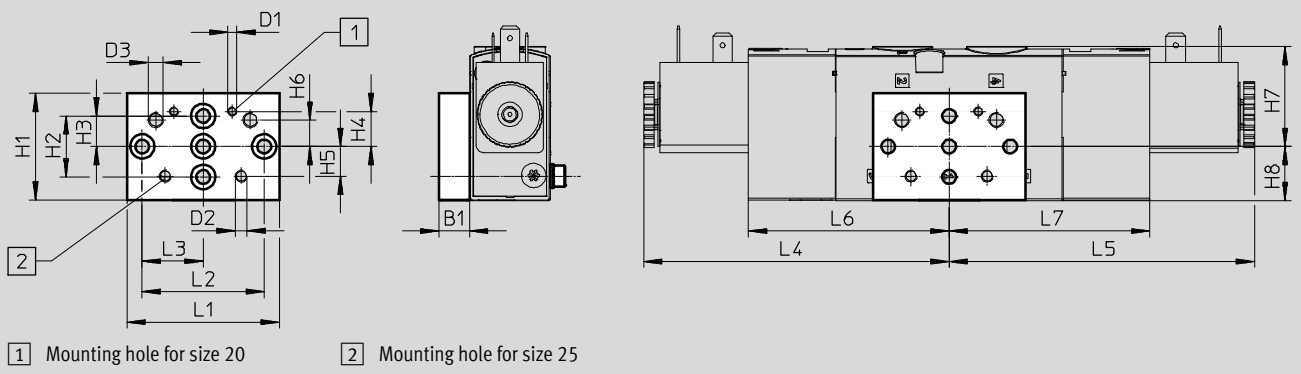
| Type | | B1 | B2 | B3 | D1 Ø | D2 Ø | D3 Ø | H1 | H2 | H3 | H4 | H5 |
|---------------|------------------|----|------|------|------|------|------|-----|-------|----|------|------|
| VAME-B10-25-A | VUVS-L25-B52/P53 | 24 | 15.8 | 13.3 | 4.2 | 4.2 | 5.2 | 130 | 122.5 | 91 | 80.5 | 48.5 |
| | VUVS-L25-M52 | | | | | | | | | | | |
| | VUVS-L25-M32 | | | | | | | | | | | |

| Type | | H6 | H7 | H8 | H9 | H10 | H11 | H12 |
|---------------|------------------|------|----|----|-----|-----|-------|-----|
| VAME-B10-25-A | VUVS-L25-B52/P53 | 41.5 | 25 | 11 | 2.5 | 210 | – | 123 |
| | VUVS-L25-M52 | | | | | – | 178.7 | |
| | VUVS-L25-M32 | | | | | 139 | – | |

| Type | | L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 |
|---------------|------------------|----|------|------|----|----|----|------|-------|-----|
| VAME-B10-25-A | VUVS-L25-B52/P53 | 55 | 49.4 | 40.4 | 25 | 40 | 20 | 23.5 | 198.2 | 4.1 |
| | VUVS-L25-M52 | | | | | | | | 161.1 | |
| | VUVS-L25-M32 | | | | | | | | 128.1 | |

Dimensions

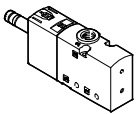
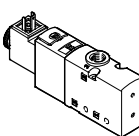
Wall mounting



| Type | | B1 | D1 | D2 | D3 | H1 | H2 | H3 | H4 | H5 | H6 | H7 | H8 | L1 | L2 | L3 | L4 | L5 | L6 | L7 |
|---------------|------------------|----|----|----|----|----|----|----|------|-----|-----|------|------|----|----|----|-----|-----|------|------|
| VAME-B10-20-W | VUVS-L25-B52/P53 | 10 | M3 | M4 | M5 | 35 | 20 | 10 | 11.5 | 9.7 | 8.7 | 32.8 | 17.7 | 50 | 40 | 20 | 100 | 100 | 65.8 | 65.8 |
| | VUVS-L25-M52 | | | | | | | | | | | | | | | | – | – | 62 | – |
| | VUVS-L25-M32 | | | | | | | | | | | | | | | | – | – | 29 | – |

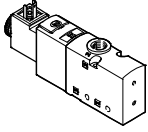
Solenoid valves VUVS/valve manifold VTUS

Ordering data – Solenoid valves

| Ordering data | | | | |
|---|---------------------------------|---|----------|------------------------------|
| | Code | Valve function | Part No. | Type |
| 3/2-way valve without solenoid coil | | | | |
|  | Single solenoid, closed | | | |
| | M32C-A | Pneumatic spring return, internal pilot air supply, direction of flow not reversible | 575471 | VUVS-L25-M32C-AD-G14-F8 |
| | | Pneumatic spring return, external pilot air supply, direction of flow reversible | 575472 | VUVS-L25-M32C-AZD-G14-F8 |
| | M32C-M | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575473 | VUVS-L25-M32C-MD-G14-F8 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575474 | VUVS-L25-M32C-MZD-G14-F8 |
| | Single solenoid, open | | | |
| | M32U-A | Pneumatic spring return, internal pilot air supply, direction of flow not reversible | 575486 | VUVS-L25-M32U-AD-G14-F8 |
| | | Pneumatic spring return, external pilot air supply, direction of flow reversible | 575487 | VUVS-L25-M32U-AZD-G14-F8 |
| | M32U-M | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575488 | VUVS-L25-M32U-MD-G14-F8 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575489 | VUVS-L25-M32U-MZD-G14-F8 |
| 3/2-way valve with solenoid coil (24 V DC) | | | | |
|  | Single solenoid, closed, type C | | | |
| | M32C-A | Pneumatic spring return, internal pilot air supply, direction of flow not reversible | 575475 | VUVS-L25-M32C-AD-G14-F8-1C1 |
| | | Pneumatic spring return, external pilot air supply, direction of flow reversible | 575476 | VUVS-L25-M32C-AZD-G14-F8-1C1 |
| | M32C-M | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575477 | VUVS-L25-M32C-MD-G14-F8-1C1 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575478 | VUVS-L25-M32C-MZD-G14-F8-1C1 |
| | Single solenoid, closed, type B | | | |
| | M32C-A | Pneumatic spring return, internal pilot air supply, direction of flow not reversible | 575479 | VUVS-L25-M32C-AD-G14-F8-1B2 |
| | | Pneumatic spring return, external pilot air supply, direction of flow reversible | 575480 | VUVS-L25-M32C-AZD-G14-F8-1B2 |
| | M32C-M | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575481 | VUVS-L25-M32C-MD-G14-F8-1B2 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575482 | VUVS-L25-M32C-MZD-G14-F8-1B2 |

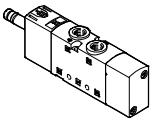
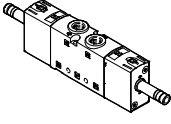
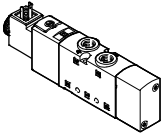
Solenoid valves VUVS/valve manifold VTUS

Ordering data – Solenoid valves

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

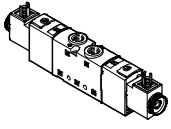
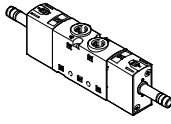
Solenoid valves VUVS/valve manifold VTUS

Ordering data – Solenoid valves

| Ordering data | | | | |
|---|---|---|----------|-----------------------------|
| | Code | Valve function | Part No. | Type |
| 5/2-way valve without solenoid coil | | | | |
|  | Single solenoid | | | |
| | M52-A | Pneumatic spring return, internal pilot air supply, direction of flow not reversible | 575501 | VUVS-L25-M52-AD-G14-F8 |
| | | Pneumatic spring return, external pilot air supply, direction of flow reversible | 575502 | VUVS-L25-M52-AZD-G14-F8 |
| | M52-M | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575509 | VUVS-L25-M52-MD-G14-F8 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575510 | VUVS-L25-M52-MZD-G14-F8 |
| |  | Double solenoid | | |
| B52 | | Internal pilot air supply, direction of flow not reversible | 575516 | VUVS-L25-B52-D-G14-F8 |
| | | External pilot air supply, direction of flow reversible | 575517 | VUVS-L25-B52-ZD-G14-F8 |
| 5/2-way valve with solenoid coil (24 V DC) | | | | |
|  | Single solenoid, type C | | | |
| | M52-A | Pneumatic spring return, internal pilot air supply, direction of flow not reversible | 575503 | VUVS-L25-M52-AD-G14-F8-1C1 |
| | | Pneumatic spring return, external pilot air supply, direction of flow reversible | 575504 | VUVS-L25-M52-AZD-G14-F8-1C1 |
| | M52-M | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575511 | VUVS-L25-M52-MD-G14-F8-1C1 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575512 | VUVS-L25-M52-MZD-G14-F8-1C1 |
| | Single solenoid, type B | | | |
| | M52-A | Pneumatic spring return, internal pilot air supply, direction of flow not reversible | 575505 | VUVS-L25-M52-AD-G14-F8-1B2 |
| | | Pneumatic spring return, external pilot air supply, direction of flow reversible | 575506 | VUVS-L25-M52-AZD-G14-F8-1B2 |
| | M52-M | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575513 | VUVS-L25-M52-MD-G14-F8-1B2 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575514 | VUVS-L25-M52-MZD-G14-F8-1B2 |

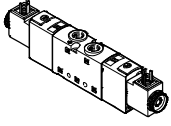
Solenoid valves VUVS/valve manifold VTUS

Ordering data – Solenoid valves

| Ordering data | | | | |
|---|-------------------------|---|--------------------------|----------------------------|
| | Code | Valve function | Part No. | Type |
| 5/2-way valve with solenoid coil (24 V DC) | | | | |
|  | Double solenoid, type C | | | |
| | B52 | Internal pilot air supply, direction of flow not reversible | 575518 | VUVS-L25-B52-D-G14-F8-1C1 |
| | | External pilot air supply, direction of flow reversible | 575519 | VUVS-L25-B52-ZD-G14-F8-1C1 |
| | Double solenoid, type B | | | |
| | B52 | Internal pilot air supply, direction of flow not reversible | 575520 | VUVS-L25-B52-D-G14-F8-1B2 |
| | | External pilot air supply, direction of flow reversible | 575521 | VUVS-L25-B52-ZD-G14-F8-1B2 |
| 5/3-way valve without solenoid coil | | | | |
|  | Closed | | | |
| | P53C | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575523 | VUVS-L25-P53C-MD-G14-F8 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575524 | VUVS-L25-P53C-MZD-G14-F8 |
| | Exhausted | | | |
| | P53E | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575537 | VUVS-L25-P53E-MD-G14-F8 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575538 | VUVS-L25-P53E-MZD-G14-F8 |
| | Pressurised | | | |
| | P53U | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575530 | VUVS-L25-P53U-MD-G14-F8 |
| Mechanical spring return, external pilot air supply, direction of flow reversible | | 575531 | VUVS-L25-P53U-MZD-G14-F8 | |




Solenoid valves VUVS/valve manifold VTUS


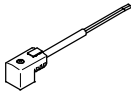

Ordering data – Solenoid valves

| Ordering data | | | | |
|---|---------------------|---|----------|------------------------------|
| | Code | Valve function | Part No. | Type |
| 5/3-way valve with solenoid coil (24 V DC) | | | | |
|  | Closed, type C | | | |
| | P53C | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575525 | VUVS-L25-P53C-MD-G14-F8-1C1 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575526 | VUVS-L25-P53C-MZD-G14-F8-1C1 |
| | Exhausted, type C | | | |
| | P53E | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575539 | VUVS-L25-P53E-MD-G14-F8-1C1 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575540 | VUVS-L25-P53E-MZD-G14-F8-1C1 |
| | Pressurised, type C | | | |
| | P53U | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575532 | VUVS-L25-P53U-MD-G14-F8-1C1 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575533 | VUVS-L25-P53U-MZD-G14-F8-1C1 |
| | Closed, type B | | | |
| | P53C | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575527 | VUVS-L25-P53C-MD-G14-F8-1B2 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575528 | VUVS-L25-P53C-MZD-G14-F8-1B2 |
| | Exhausted, type B | | | |
| | P53E | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575541 | VUVS-L25-P53E-MD-G14-F8-1B2 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575542 | VUVS-L25-P53E-MZD-G14-F8-1B2 |
| | Pressurised, type B | | | |
| | P53U | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575534 | VUVS-L25-P53U-MD-G14-F8-1B2 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575535 | VUVS-L25-P53U-MZD-G14-F8-1B2 |

Solenoid valves VUVS/valve manifold VTUS




Ordering data – Solenoid valves

| Ordering data | | | | Part No. | Type |
|---|---|-----------------------|--|----------|-----------------|
| Solenoid coils for valves | | | | | |
|  | Port 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 | | 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 |
| | Port pattern type B, to DIN EN 175301-803 | 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 valves in order to guarantee protection class IP67 | | | 8034609 | VAMC-B10-B-B-S8 |
| Cover cap | | | | | |
|  | For valves | | | 8028240 | VAMC-B10-20-CH2 |

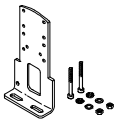
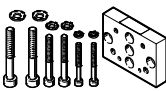
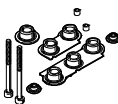
| Ordering data | | | | Part No. | Type | |
|---|---|----------|--------|--------------|------------------|--------------------|
| Plug socket | | | | | | |
|  | Port pattern type C, to EN 175301-803 | | | | | |
| | Angled socket, 3-pin | 230 V AC | IP65 | 539712 | MSSD-EB-M12 | |
| | Angled socket, 4-pin | | IP67 | 192745 | MSSD-EB-S-M14 | |
| | Angled socket, 3-pin, straight plug connector, M12, 2-pin | 24 V DC | IP65 | 188024 | MSSD-EB-M12-MONO | |
| | Port pattern type B, to EN 175301-803 | | | | | |
| | Angled socket, 3-pin | 230 V AC | IP65 | 539710 | MSSD-F-M16 | |
| Angled socket, 4-pin | | IP67 | 192746 | MSSD-F-S-M16 | | |
| Plug socket with cable | | | | | | |
|  | Port pattern type C, to EN 175301-803 | | | | | |
| | Angled socket, 3-pin 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 |
| | Port pattern type B, to EN 175301-803 | | | | | |
| | Angled socket, 3-pin 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 | | | | | | |
|  | Port pattern type C, to DIN EN 175301-803 | 24 V DC | | 151717 | MEB-LD-12-24DC | |
| | | 230 V AC | | 151718 | MEB-LD-230AC | |
| | Port pattern type B, to DIN EN 175301-803 | 24 V DC | | 19143 | MF-LD-12-24DC | |
| | | 230 V AC | | 19144 | MF-LD-230AC | |

Solenoid valves VUVS/valve manifold VTUS

Ordering data – Solenoid valves


| Ordering data | | | | | |
|---|---|-------|---------------|-----------------------|------------------|
| | Description | | Part No. | Type | PU ¹⁾ |
| Push-in fitting with internal hex | | | | | |
|  | Connecting thread M5 for tubing O.D. | 4 mm | 153315 | QSM-M5-4-I | 10 |
| | Connecting thread G $\frac{1}{4}$ 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 G $\frac{1}{4}$ 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 G $\frac{1}{4}$ for tubing O.D. | 6 mm | 186129 | QSL-L-G1/4-6 | 10 |
| | | 8 mm | 186131 | QSL-L-G1/4-8 | 10 |
| | | 10 mm | 186133 | QSL-L-G1/4-10 | 10 |


1) Packaging unit


| Ordering data | | | | |
|---|---|------------|----------------|-----------------------|
| | Description | Weight [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 |
| Spare parts selection | | | | |
|  | Set comprising seals and screws | 12 | 8035636 | VAME-B10-25-MK |

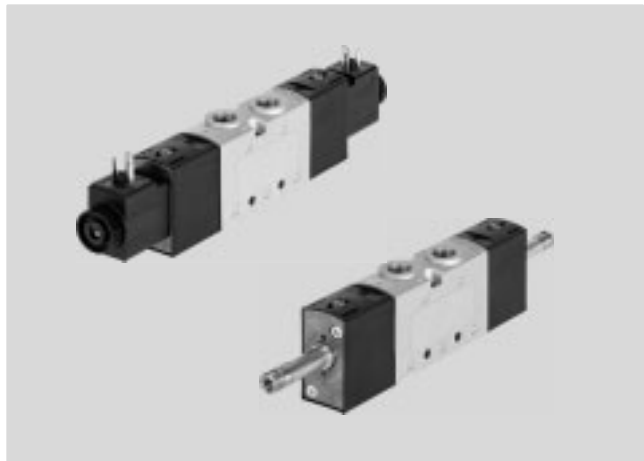
Solenoid valves VUVS

Technical data – Solenoid valves, size 30

-  Flow rate
Up to 2300 l/min

-  Valve width
31mm

-  Voltage
12, 24 V DC
24, 110, 120, 230, 240 V AC



| General technical data | | | | | | | |
|--------------------------------|-------|---|------|------|------|------|--------------|
| Valve function | | 3/2 | | 5/2 | | 5/3 | |
| Order code for valves | | M32C | M32U | M52 | B52 | P53C | P53U P53E |
| Valve width | [mm] | 31 | | | | | |
| Nominal size | [mm] | 9.4 | | | 8.9 | 8.1 | |
| Design | | Piston spool | | | | | |
| Direction of flow | | Reversible with external pilot air supply | | | | | |
| Pilot air supply | | Internal or external | | | | | |
| Type of actuation | | Piloted | | | | | |
| Manual override | | Non-detenting, detenting | | | | | |
| Non-overlapping | | Yes | | | | | |
| Sealing principle | | Soft | | | | | |
| Type of mounting | | Optionally via through-hole or on manifold rail | | | | | |
| Standard nominal flow rate | [qnN] | 2300 | 2300 | 2300 | 2000 | 1600 | 1600 |
| Type of actuation | | Electrical | | | | | |
| Mounting position | | Any | | | | | |
| Exhaust air function | | With flow control | | | | | |
| Pneumatic connection | | G3/8 | | | | | |
| 1, 2, 4, 3, 5 | | G1/8 | | | | | |
| Auxiliary pilot air port 12/14 | | M5 | | | | | |
| Pilot exhaust air port 82/84 | | 2 | | | | | |
| CRC ¹⁾ | | 2 | | | | | |

1) Corrosion resistance class CRC 2 to Festo standard FN 940070
Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

| Technical data – 3/2-way valves | | | | | |
|--|-------------|------------------|-----|-------------------|-----|
| Order code for valves | | M32C | | M32U | |
| Normal position | | Closed | | Open | |
| Stable positions | | Single solenoid | | Single solenoid | |
| Reset method | | Pneumatic spring | | Mechanical spring | |
| Switching times | On | 19 | 16 | 19 | 15 |
| | Off | 36 | 58 | 37 | 57 |
| | Change-over | – | – | – | – |
| Product weight excluding solenoid coil | [g] | 354 | 354 | 354 | 354 |
| Product weight including solenoid coil | [g] | 405 | 405 | 405 | 405 |

Solenoid valves VUVS

Technical data – Solenoid valves, size 30

| Technical data – 5/2-way valves | | | | |
|--|-------------|------------------|-----|-------------------|
| Order code for valves | | M52 | | B52 |
| Normal position | | – | | – |
| Stable positions | | Single solenoid | | Double solenoid |
| Reset method | | Pneumatic spring | | Mechanical spring |
| Switching times | On | 24 | 17 | – |
| | Off | 49 | 62 | – |
| | Change-over | – | – | 13 |
| Product weight excluding solenoid coil | [g] | 450 | 450 | 464 |
| Product weight including solenoid coil | [g] | 500 | 500 | 565 |

| Technical data – 5/3-way valves | | | | |
|--|-------------|-------------------|------|-------------|
| Order code for valves | | P53C | P53U | P53E |
| Normal position/mid-position | | Closed | | Pressurised |
| Stable positions | | Single solenoid | | |
| Reset method | | Mechanical spring | | |
| Switching times | On | 17 | 18 | 20 |
| | Off | 76 | 75 | 74 |
| | Change-over | 39 | 31 | 36 |
| Product weight excluding solenoid coil | [g] | 461 | 461 | 461 |
| Product weight including solenoid coil | [g] | 562 | 562 | 562 |

| 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 | [bar] | 2.5 ... 10 | | 1.5 ... 10 | 2.5 ... 10 |
| Operating pressure with external pilot air supply | [bar] | –0.9 ... +10 | | | |
| Pilot pressure | [bar] | 2.5 ... 10 | | 1.5 ... 10 | 2.5 ... 10 |
| Ambient temperature | [°C] | –10 ... +60 | | | |
| Temperature of medium | [°C] | –10 ... +60 | | | |

| Electrical data | | | |
|----------------------------------|--------|------------------------------|-----------------------|
| | | With solenoid coil | Without solenoid coil |
| Electrical connection | | Via electrical solenoid coil | |
| Operating voltage | [V DC] | 12 and 24 ±10% | |
| | [V AC] | 24, 110, 120, 230, 240 ±10% | |
| Duty cycle ED | [%] | 100 | |
| Degree of protection to EN 60529 | | IP65 with plug socket | |
| Permissible voltage fluctuations | [%] | 100 | |

| Information on materials | |
|--------------------------|-------------------------|
| Housing | Die-cast aluminium |
| Seals | HNBR, NBR |
| Piston spool | Wrought aluminium alloy |
| Note on materials | RoHS compliant |

Solenoid valves VUVS

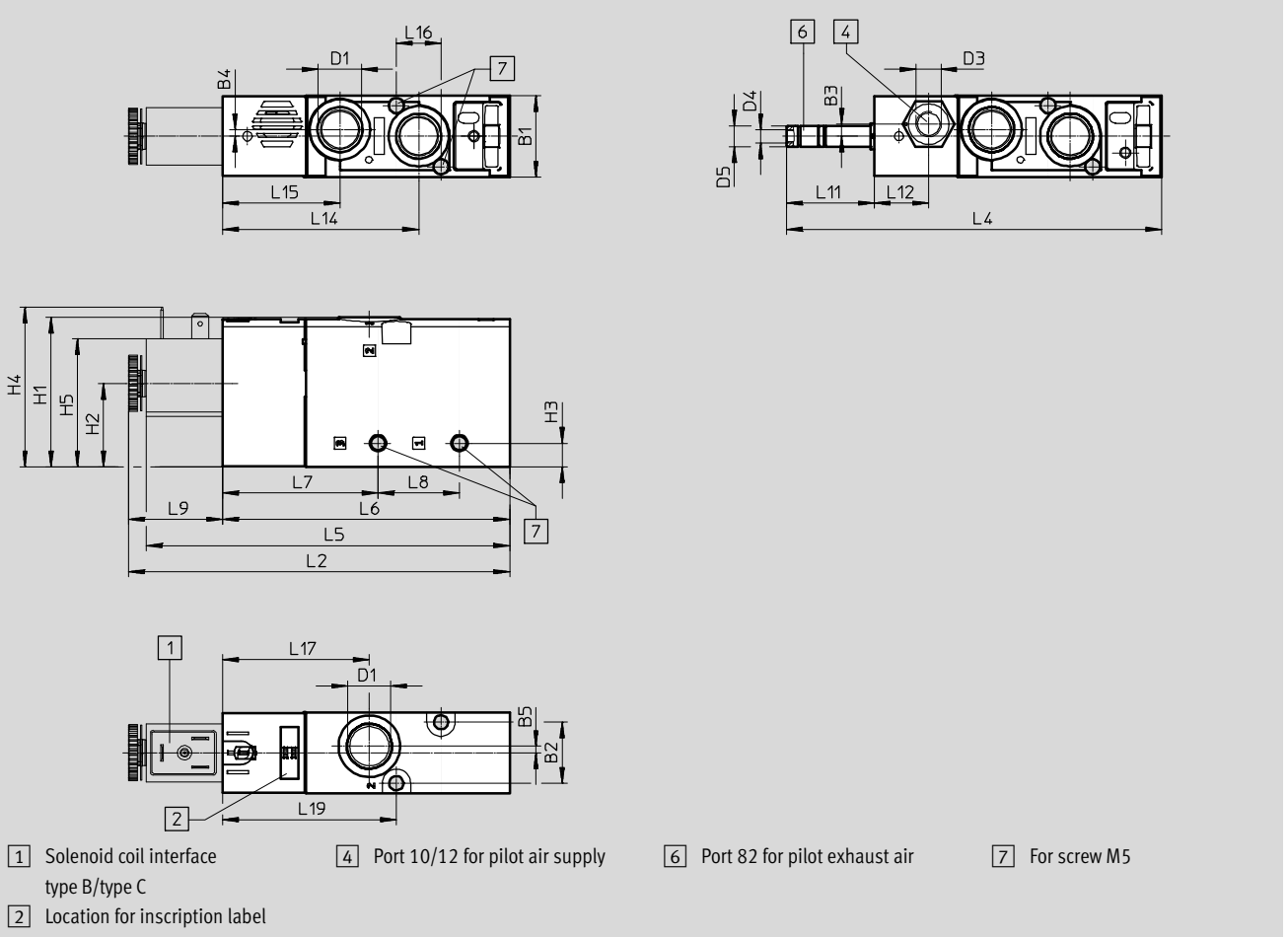
Technical data – Solenoid valves, size 30

Dimensions

Download CAD data → 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
 2 Location 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 | | | G3/8 | G1/8 | M5 | | | | | | |

| 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 | | | | | |

Solenoid valves VUVS

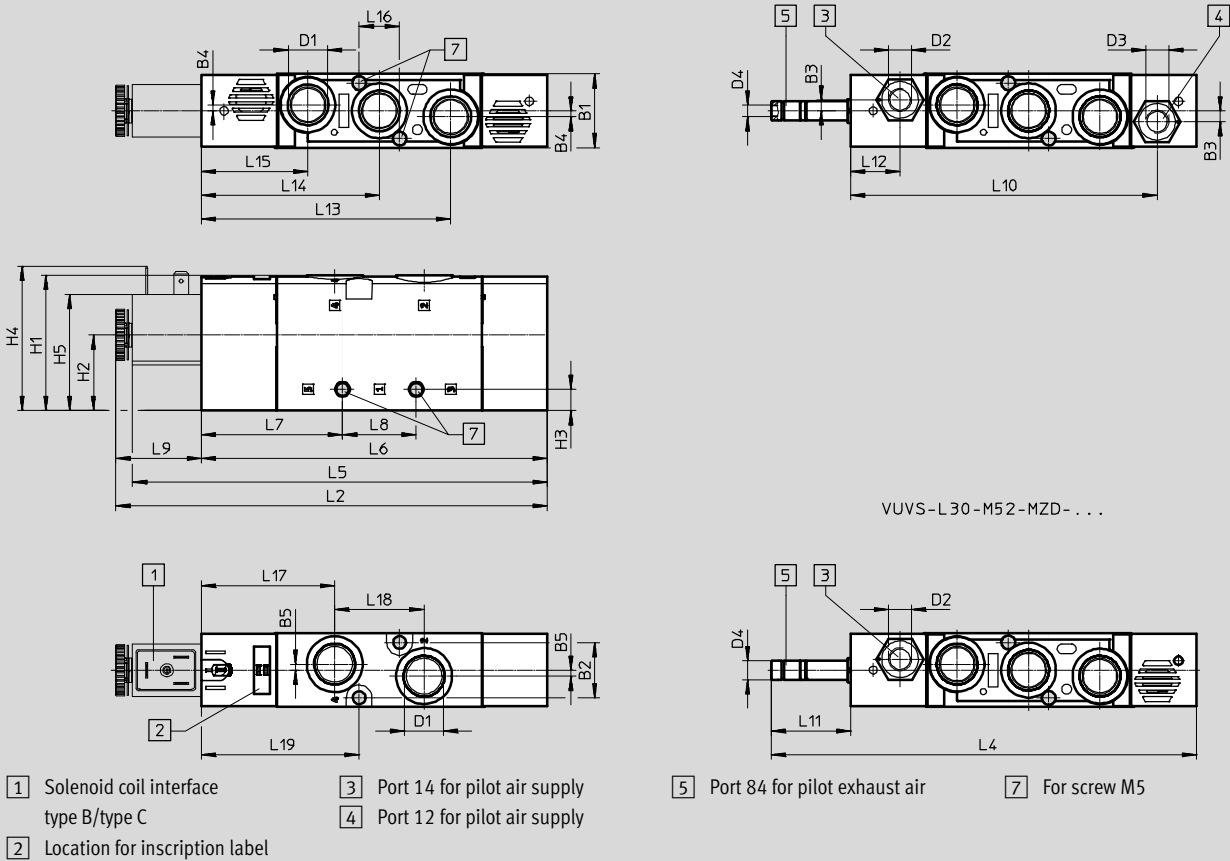
Technical data – Solenoid valves, size 30

Dimensions

Download CAD data → www.festo.com

5/2-way valves, with solenoid coil

5/2-way valves, without solenoid coil



| Type | B1 | B2 | B3 | B4 | B5 | D1 | D2 | D3 | D4 | D5 | 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 | | | G3/8 | G1/8 | G1/8 | M5 | | | | | | |

| 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 | | | | | | | |

Solenoid valves VUVS

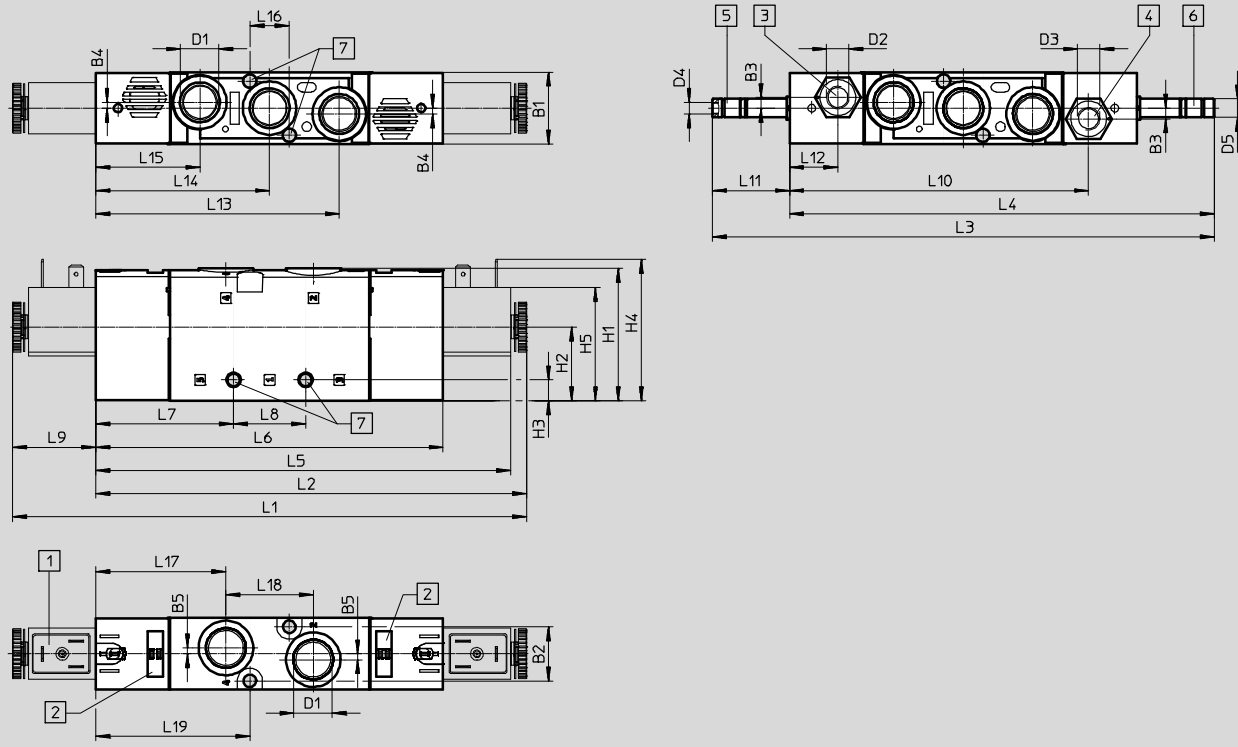
Technical data – Solenoid valves, size 30

Dimensions

Download CAD data → www.festo.com

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

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



- 1 Solenoid coil interface type B/type C
- 2 Location 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 | 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-... | | | G1/8 | | | | G1/8 | | | | | | | | |
| VUVS-L30-B52-D-G38-... | | | – | | | | – | | | | | | | | |
| VUVS-L30-B52-ZD-G38-... | | | G1/8 | | | | G1/8 | | | | | | | | |

| Type | L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 | L10 | L11 |
|-----------------------------|-------|-----|-------|-------|-------|-------|------|----|------|-------|------|
| VUVS-L30-P53...-MD-G38-... | 220.3 | 185 | 216.2 | 182.9 | 179.6 | 149.6 | 59.3 | 31 | 35.4 | – | 33.3 |
| VUVS-L30-P53...-MZD-G38-... | | | | | | | | | | 128.8 | |
| VUVS-L30-B52-D-G38-... | | | | | | | | | | – | |
| VUVS-L30-B52-ZD-G38-... | | | | | | | | | | 128.8 | |

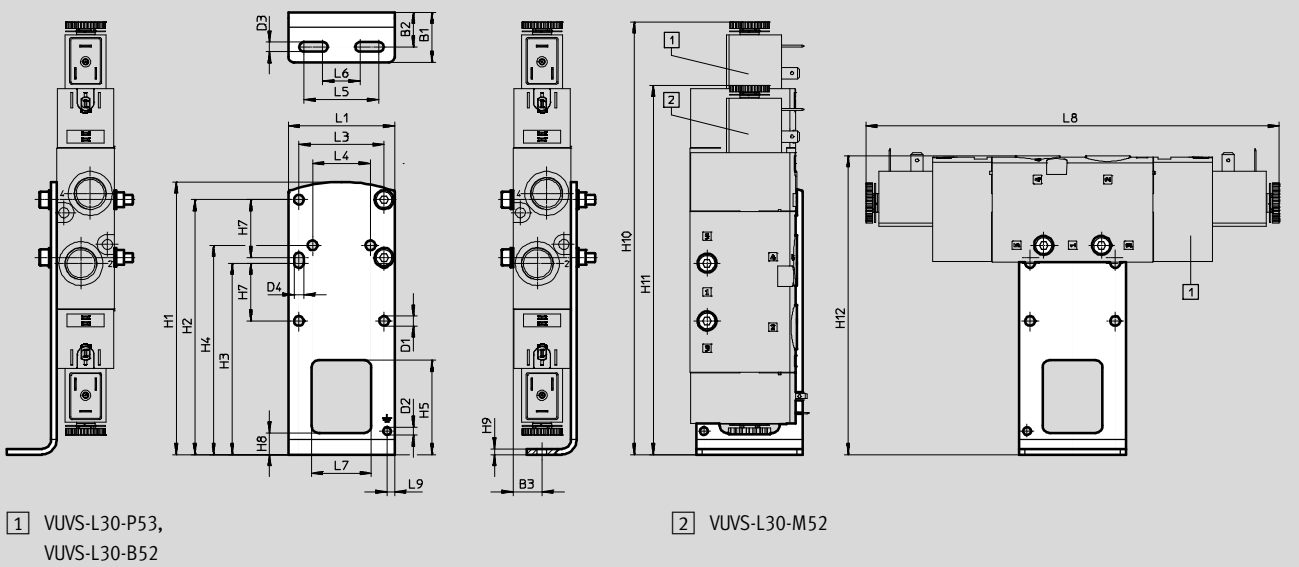
| Type | L12 | L13 | L14 | L15 | L16 | L17 | L18 | L19 |
|-----------------------------|------|-------|------|------|-----|-----|------|------|
| VUVS-L30-P53...-MD-G38-... | – | 104.8 | 74.8 | 44.8 | 17 | 56 | 37.6 | 66.3 |
| VUVS-L30-P53...-MZD-G38-... | 20.8 | | | | | | | |
| VUVS-L30-B52-D-G38-...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

Solenoid valves VUVS

Accessories – Valves, size 30

Dimensions

Foot mounting



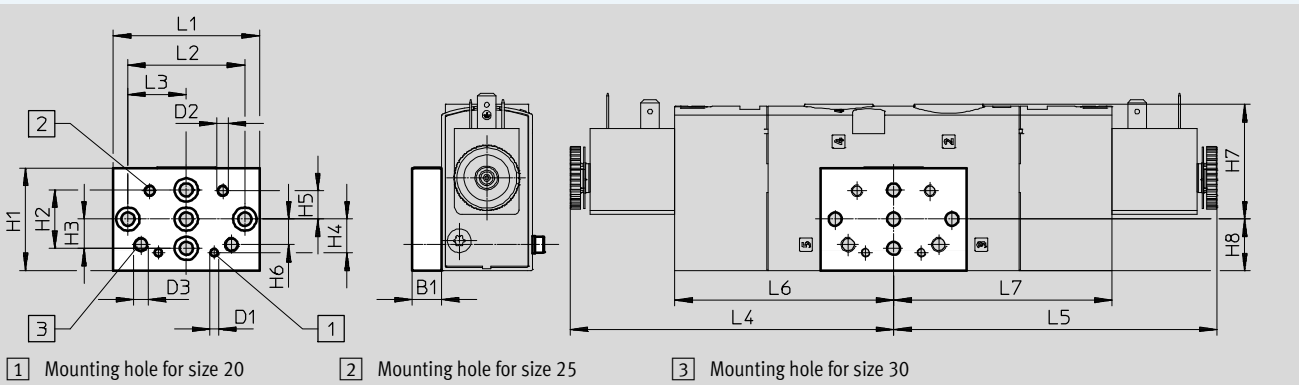
| Type | | B1 | B2 | B3 | D1 Ø | D2 Ø | D3 Ø | D4 Ø | H1 | H2 | H3 | H4 | H5 |
|---------------|------------------|------|------|------|------|------|------|------|-----|-------|-------|-----|------|
| VAME-B10-30-A | VUVS-L30-B52/P53 | 26.8 | 18.5 | 15.5 | 5.2 | 4.2 | 5.2 | 5.2 | 146 | 136.5 | 102.5 | 112 | 50.5 |
| | VUVS-L30-M52 | | | | | | | | | | | | |
| | VUVS-L30-M32 | | | | | | | | | | | | |

| Type | | H6 | H7 | H8 | H9 | H10 | H11 | H12 |
|---------------|------------------|----|----|------|----|-------|-------|-----|
| VAME-B10-30-A | VUVS-L30-B52/P53 | – | 31 | 11.5 | 3 | 231.2 | – | 160 |
| | VUVS-L30-M52 | | | | | – | 197.2 | |
| | VUVS-L30-M32 | | | | | 155.7 | – | |

| Type | | L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 |
|---------------|------------------|----|----|------|----|----|----|----|-------|-----|
| VAME-B10-30-A | VUVS-L30-B52/P53 | 57 | – | 45.6 | 31 | 40 | 20 | 32 | 220.3 | 4.1 |
| | VUVS-L30-M52 | | | | | | | | 180.7 | |
| | VUVS-L30-M32 | | | | | | | | 144.9 | |

Dimensions

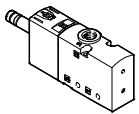
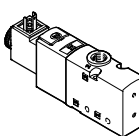
Wall mounting



| Type | | B1 | D1 | D2 | D3 | H1 | H2 | H3 | H4 | H5 | H6 | H7 | H8 | L1 | L2 | L3 | L4 | L5 | L6 | L7 |
|---------------|------------------|----|----|----|----|----|----|----|------|-----|-----|------|------|----|----|----|-------|-------|------|------|
| VAME-B10-20-W | VUVS-L30-B52/P53 | 10 | M3 | M4 | M5 | 35 | 20 | 10 | 11.5 | 9.7 | 8.7 | 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 | – |

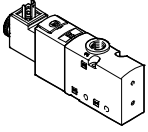
Solenoid valves VUVS/valve manifold VTUS

Ordering data – Solenoid valves

| Ordering data | | | | |
|---|---------------------------------|---|----------|------------------------------|
| | Code | Valve function | Part No. | Type |
| 3/2-way valve without solenoid coil | | | | |
|  | Single solenoid, closed | | | |
| | M32C-A | Pneumatic spring return, internal pilot air supply, direction of flow not reversible | 575564 | VUVS-L30-M32C-AD-G38-F8 |
| | | Pneumatic spring return, external pilot air supply, direction of flow reversible | 575565 | VUVS-L30-M32C-AZD-G38-F8 |
| | M32C-M | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575566 | VUVS-L30-M32C-MD-G38-F8 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575567 | VUVS-L30-M32C-MZD-G38-F8 |
| | Single solenoid, open | | | |
| | M32U-A | Pneumatic spring return, internal pilot air supply, direction of flow not reversible | 575579 | VUVS-L30-M32U-AD-G38-F8 |
| | | Pneumatic spring return, external pilot air supply, direction of flow reversible | 575580 | VUVS-L30-M32U-AZD-G38-F8 |
| | M32U-M | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575581 | VUVS-L30-M32U-MD-G38-F8 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575582 | VUVS-L30-M32U-MZD-G38-F8 |
| 3/2-way valve with solenoid coil (24 V DC) | | | | |
|  | Single solenoid, closed, type C | | | |
| | M32C-A | Pneumatic spring return, internal pilot air supply, direction of flow not reversible | 575568 | VUVS-L30-M32C-AD-G38-F8-1C1 |
| | | Pneumatic spring return, external pilot air supply, direction of flow reversible | 575569 | VUVS-L30-M32C-AZD-G38-F8-1C1 |
| | M32C-M | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575570 | VUVS-L30-M32C-MD-G38-F8-1C1 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575571 | VUVS-L30-M32C-MZD-G38-F8-1C1 |
| | Single solenoid, closed, type B | | | |
| | M32C-A | Pneumatic spring return, internal pilot air supply, direction of flow not reversible | 575572 | VUVS-L30-M32C-AD-G38-F8-1B2 |
| | | Pneumatic spring return, external pilot air supply, direction of flow reversible | 575573 | VUVS-L30-M32C-AZD-G38-F8-1B2 |
| | M32C-M | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575574 | VUVS-L30-M32C-MD-G38-F8-1B2 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575575 | VUVS-L30-M32C-MZD-G38-F8-1B2 |

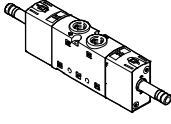
Solenoid valves VUVS/valve manifold VTUS

Ordering data – Solenoid valves

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

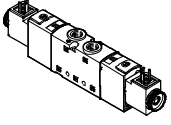
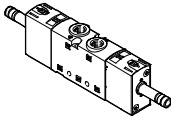
Solenoid valves VUVS/valve manifold VTUS

Ordering data – Solenoid valves

| Ordering data | | | | |
|---|---|---|----------|-----------------------------|
| | Code | Valve function | Part No. | Type |
| 5/2-way valve without solenoid coil | | | | |
|  | Single solenoid | | | |
| | M52-A | Pneumatic spring return, internal pilot air supply, direction of flow not reversible | 575594 | VUVS-L30-M52-AD-G38-F8 |
| | | Pneumatic spring return, external pilot air supply, direction of flow reversible | 575595 | VUVS-L30-M52-AZD-G38-F8 |
| | M52-M | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575602 | VUVS-L30-M52-MD-G38-F8 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575603 | VUVS-L30-M52-MZD-G38-F8 |
| |  | Double solenoid | | |
| B52 | | Internal pilot air supply, direction of flow not reversible | 575609 | VUVS-L30-B52-D-G38-F8 |
| | | External pilot air supply, direction of flow reversible | 575610 | VUVS-L30-B52-ZD-G38-F8 |
| 5/2-way valve with solenoid coil (24 V DC) | | | | |
|  | Single solenoid, type C | | | |
| | M52-A | Pneumatic spring return, internal pilot air supply, direction of flow not reversible | 575596 | VUVS-L30-M52-AD-G38-F8-1C1 |
| | | Pneumatic spring return, external pilot air supply, direction of flow reversible | 575597 | VUVS-L30-M52-AZD-G38-F8-1C1 |
| | M52-M | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575604 | VUVS-L30-M52-MD-G38-F8-1C1 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575605 | VUVS-L30-M52-MZD-G38-F8-1C1 |
| | Single solenoid, type B | | | |
| | M52-A | Pneumatic spring return, internal pilot air supply, direction of flow not reversible | 575598 | VUVS-L30-M52-AD-G38-F8-1B2 |
| | | Pneumatic spring return, external pilot air supply, direction of flow reversible | 575599 | VUVS-L30-M52-AZD-G38-F8-1B2 |
| | M52-M | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575606 | VUVS-L30-M52-MD-G38-F8-1B2 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575607 | VUVS-L30-M52-MZD-G38-F8-1B2 |

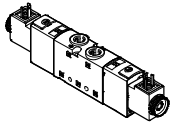
Solenoid valves VUVS/valve manifold VTUS

Ordering data – Solenoid valves

| Ordering data | | | | |
|---|---|---|--------------------------|----------------------------|
| | Code | Valve function | Part No. | Type |
| 5/2-way valve with solenoid coil (24 V DC) | | | | |
|  | Double solenoid, type C | | | |
| | B52 | Internal pilot air supply, direction of flow not reversible | 575611 | VUVS-L30-B52-D-G38-F8-1C1 |
| | | External pilot air supply, direction of flow reversible | 575612 | VUVS-L30-B52-ZD-G38-F8-1C1 |
| | Double solenoid, type B | | | |
| | B52 | Internal pilot air supply, direction of flow not reversible | 575613 | VUVS-L30-B52-D-G38-F8-1B2 |
| | | External pilot air supply, direction of flow reversible | 575614 | VUVS-L30-B52-ZD-G38-F8-1B2 |
| 5/3-way valve without solenoid coil | | | | |
|  | Closed | | | |
| | P53C | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575616 | VUVS-L30-P53C-MD-G38-F8 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575617 | VUVS-L30-P53C-MZD-G38-F8 |
| | Exhausted | | | |
| | P53E | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575630 | VUVS-L30-P53E-MD-G38-F8 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575631 | VUVS-L30-P53E-MZD-G38-F8 |
| | Pressurised | | | |
| | P53U | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575623 | VUVS-L30-P53U-MD-G38-F8 |
| | Mechanical spring return, external pilot air supply, direction of flow reversible | 575624 | VUVS-L30-P53U-MZD-G38-F8 | |




Solenoid valves VUVS/valve manifold VTUS


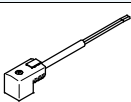

Ordering data – Solenoid valves

| Ordering data | | | | |
|---|---------------------|---|----------|------------------------------|
| | Code | Valve function | Part No. | Type |
| 5/3-way valve with solenoid coil (24 V DC) | | | | |
|  | Closed, type C | | | |
| | P53C | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575618 | VUVS-L30-P53C-MD-G38-F8-1C1 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575619 | VUVS-L30-P53C-MZD-G38-F8-1C1 |
| | Exhausted, type C | | | |
| | P53E | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575632 | VUVS-L30-P53E-MD-G38-F8-1C1 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575633 | VUVS-L30-P53E-MZD-G38-F8-1C1 |
| | Pressurised, type C | | | |
| | P53U | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575625 | VUVS-L30-P53U-MD-G38-F8-1C1 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575626 | VUVS-L30-P53U-MZD-G38-F8-1C1 |
| | Closed, type B | | | |
| | P53C | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575620 | VUVS-L30-P53C-MD-G38-F8-1B2 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575621 | VUVS-L30-P53C-MZD-G38-F8-1B2 |
| | Exhausted, type B | | | |
| | P53E | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575634 | VUVS-L30-P53E-MD-G38-F8-1B2 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575635 | VUVS-L30-P53E-MZD-G38-F8-1B2 |
| | Pressurised, type B | | | |
| | P53U | Mechanical spring return, internal pilot air supply, direction of flow not reversible | 575627 | VUVS-L30-P53U-MD-G38-F8-1B2 |
| | | Mechanical spring return, external pilot air supply, direction of flow reversible | 575628 | VUVS-L30-P53U-MZD-G38-F8-1B2 |

Solenoid valves VUVS/valve manifold VTUS




Ordering data – Solenoid valves

| Ordering data | | | | Part No. | Type |
|---|---|-----------------------|--|----------------|------------------------|
| Solenoid coils for valves | | | | | |
|  | Port 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 | | 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 |
| | Port pattern type B, to DIN EN 175301-803 | 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 valves in order to guarantee protection class IP67 | | | 8034609 | VAMC-B10-B-B-S8 |
| Cover cap | | | | | |
|  | For valves | | | 8028240 | VAMC-B10-20-CH2 |

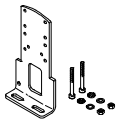
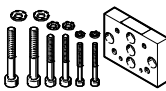
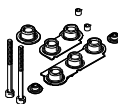
| Ordering data | | | | Part No. | Type | |
|---|---|----------|---------------|---------------------------------------|-------------------------|---------------------------|
| Plug socket | | | | | | |
|  | Port pattern type C, to EN 175301-803 | | | | | |
| | Angled socket, 3-pin | 230 V AC | IP65 | 539712 | MSSD-EB-M12 | |
| | Angled socket, 4-pin | | IP67 | 192745 | MSSD-EB-S-M14 | |
| | Angled socket, 3-pin, straight plug connector, M12, 2-pin | 24 V DC | IP65 | 188024 | MSSD-EB-M12-MONO | |
| | Port pattern type B, to EN 175301-803 | | | | | |
| | Angled socket, 3-pin | 230 V AC | IP65 | 539710 | MSSD-F-M16 | |
| Angled socket, 4-pin | | IP67 | 192746 | MSSD-F-S-M16 | | |
| Plug socket with cable | | | | | | |
|  | Port pattern type C, to EN 175301-803 | | | | | |
| | Angled socket, 3-pin 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 |
| | | | | Port pattern type B, to EN 175301-803 | | |
| | Angled socket, 3-pin 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 | | | | | | |
|  | Connection pattern type C, to DIN EN 175301-803 | 24 V DC | | 151717 | MEB-LD-12-24DC | |
| | | 230 V AC | | 151718 | MEB-LD-230AC | |
| | Connection pattern type B, to DIN EN 175301-803 | 24 V DC | | 19143 | MF-LD-12-24DC | |
| | | 230 V AC | | 19144 | MF-LD-230AC | |

Solenoid valves VUVS/valve manifold VTUS

Ordering data – Solenoid valves

| Ordering data | | | | | |
|---|---|---------------|-----------------------|---------------------|------------------|
| | Description | | Part No. | Type | PU ¹⁾ |
| Push-in fitting with internal hex | | | | | |
|  | Connecting thread G $\frac{1}{8}$ for tubing O.D. | 4 mm | 186106 | QS-G1/8-4-I | 10 |
| | Connecting thread G $\frac{3}{8}$ 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 G $\frac{3}{8}$ for tubing O.D. | 6 mm | 186121 | QSL-G3/8-8 | 10 |
| | | | 186123 | QSL-G3/8-10 | 10 |
| | 8 mm | 186124 | QSL-G3/8-12 | 10 | |
| | | 132055 | QSL-G3/8-8-50 | 50 | |
| | 10 mm | 132056 | QSL-G3/8-10-20 | 20 | |
| | | 132057 | QSL-G3/8-12-20 | 20 | |
| Angled push-in fitting, long, with external hex | | | | | |
|  | Connecting thread G $\frac{3}{8}$ 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 |

1) Packaging unit

| Ordering data | | | | |
|---|---|------------|----------------|-----------------------|
| Description | | Weight [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 |
| Spare parts selection | | | | |
|  | Set comprising seals and screws | 22 | 8035637 | VAME-B10-30-MK |

Solenoid valves VUVS/valve manifold VTUS


Order code – Manifold block

| | | | | | |
|--|---|-------------|---|-----------|------------|
| VABM | - | B10 | - | | - |
| Manifold assembly parts | | | | | |
| Manifold block | | VABM | | | |
| Valve series | | | | | |
| VUVS | | B10 | | | |
| Valve width | | | | | |
| 21 mm | | | | 20 | |
| 26.5 mm | | | | 25 | |
| 31 mm | | | | 30 | |
| Version | | | | | |
| Supply manifold | | | | | - |
| Compact manifold block | | | | | S |
| Standard manifold block | | | | | E |
| Extension module for standard manifold block | | | | | EEE |

| | | | | | | |
|-------------------------------|---|--|---|--|---|--|
| | - | | - | | - | |
| Assembly | | | | | | |
| E | | | | | | Supply manifold for mounting at one end |
| - | | | | | | Standard mounting |
| Port for valve function | | | | | | |
| - | | | | | | Manifold block for 5/2- and 5/3-way valves |
| P3 | | | | | | Manifold block for 3/2-way valves |
| P53 | | | | | | Supply manifold |
| Number of valve positions | | | | | | |
| 2 ... 10 | | | | | | 2 to 10 |
| Pneumatic connections 1, 3, 5 | | | | | | |
| G38 | | | | | | G3/8 |
| G14 | | | | | | G1/4 |
| G12 | | | | | | G1/2 |
| G34 | | | | | | G3/4 |

Solenoid valves VUVS/valve manifold VTUS

Technical data – Manifold block, size 20

 Flow rate
Up to 700 l/min



| General technical data | | | | | | | | |
|--------------------------------|-------------------------|----------|--|----------|------------------------|----------|-----------------------|-------------|
| Valve function | Manifold block standard | | Extension module for standard manifold block | | Manifold block compact | | 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 |
| 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 | | | | | | With 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 | – | – | – | – |
| CRC ¹⁾ | 2 ¹⁾ | | | | | | | |

1) Corrosion resistance class CRC 2 to Festo standard FN 940070
Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

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

Solenoid valves VUVS/valve manifold VTUS

Technical data – Manifold block, size 20

| Information on materials | |
|--------------------------|-------------------------|
| Materials | Wrought aluminium alloy |
| Note on materials | RoHS compliant |

Dimensions
Manifold block for 3/2-way valves, standard

1 Ports 1 and 3: G3/8
 3 Port 12: G1/8
 4 Thread M5x15.5 for extension module
 6 Profile slot IPM-05 system 5

| 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 |

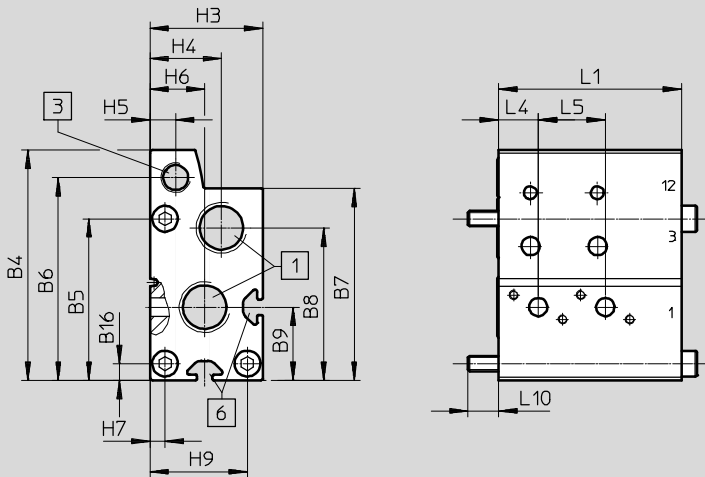
| Valve positions | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-----------------|----|----|-----|-----|-----|-----|-----|-----|-----|
| L1 [mm] | 72 | 94 | 116 | 138 | 160 | 182 | 204 | 226 | 248 |
| L2 [mm] | 60 | 82 | 104 | 126 | 148 | 170 | 192 | 214 | 236 |

Solenoid valves VUVS/valve manifold VTUS

Technical data – Manifold block, size 20

Dimensions

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

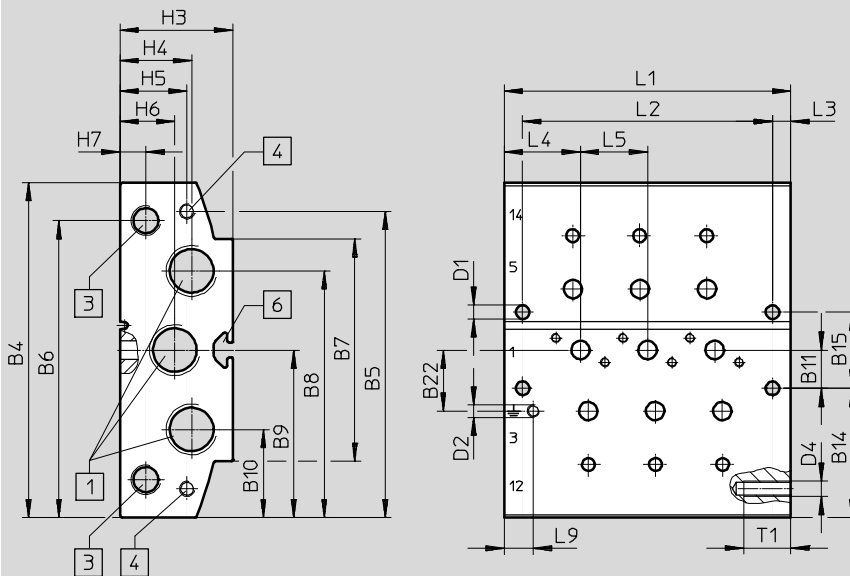
| Type | B4 | B7 | B6 | B7 | B8 | B9 | B16 | H3 | H4 | H5 | H6 | H7 | H9 | L1 | L4 | L5 | L10 |
|-------------------------|------|----|------|----|----|----|-----|----|------|-----|----|----|----|----|----|----|-----|
| VABM-B10-20EEE-G38-2-P3 | 75.5 | 53 | 66.5 | 63 | 50 | 24 | 5.5 | 37 | 23.5 | 8.5 | 18 | 5 | 32 | 60 | 25 | 22 | 10 |

Solenoid valves VUVS/valve manifold VTUS

Technical data – Manifold block, size 20

Dimensions

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

| 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 |

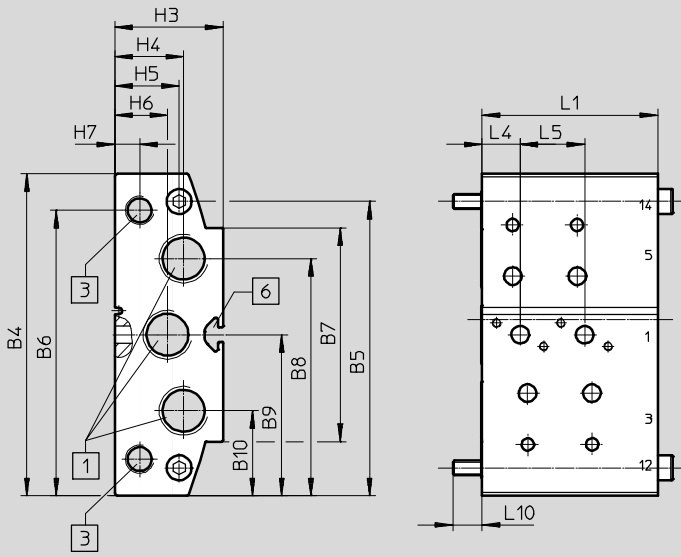
| Valve positions | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-----------------|----|----|-----|-----|-----|-----|-----|-----|-----|
| L1 [mm] | 72 | 94 | 116 | 138 | 160 | 182 | 204 | 226 | 248 |
| L2 [mm] | 60 | 82 | 104 | 126 | 148 | 170 | 192 | 214 | 236 |

Solenoid valves VUVS/valve manifold VTUS

Technical data – Manifold block, size 20

Dimensions

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

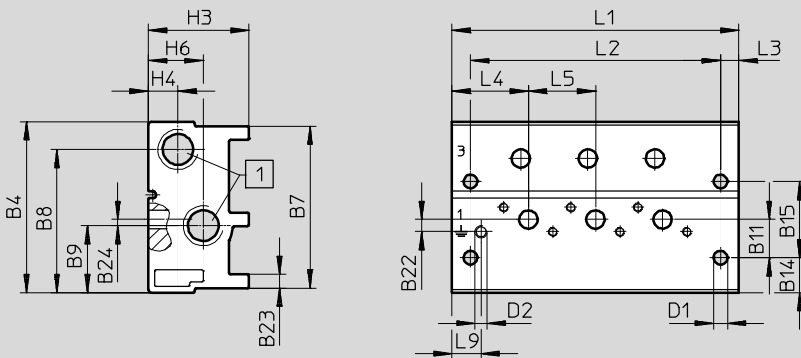
| Type | B4 | B5 | B6 | B7 | B8 | B9 | B10 | H3 | H4 | H5 | H6 | H7 | L1 | L4 | L5 | L10 |
|----------------------|-----|-------|------|----|----|----|-----|----|------|----|----|-----|----|----|----|-----|
| VABM-B10-20EEE-G38-2 | 110 | 100.5 | 97.5 | 73 | 81 | 55 | 29 | 37 | 23.5 | 22 | 18 | 8.5 | 60 | 13 | 22 | 10 |

Solenoid valves VUVS/valve manifold VTUS

Technical data – Manifold block, size 20

Dimensions

Manifold block for 3/2-way valves, compact



1 Ports 1 and 3: G1/4

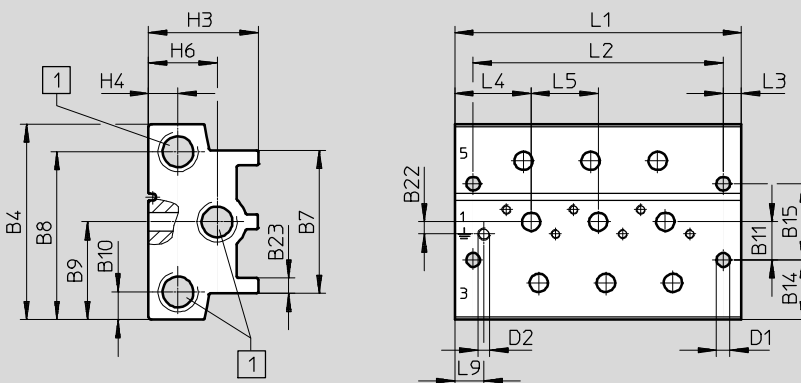
| Type | B4 | B7 | B8 | B9 | B11 | B14 | B15 | B22 | B23 | B24 |
|-------------------------|------|------|----|----|------|------|-----|-----|-----|-----|
| VABM-B10-20S-G14-...-P3 | 56.1 | 53.1 | 47 | 22 | 12.5 | 11.5 | 25 | 4 | 4.5 | 2 |

| 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 [mm] | 72 | 94 | 116 | 138 | 160 | 182 | 204 | 226 | 248 |
| L2 [mm] | 60 | 82 | 104 | 126 | 148 | 170 | 192 | 214 | 236 |

Dimensions

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 |

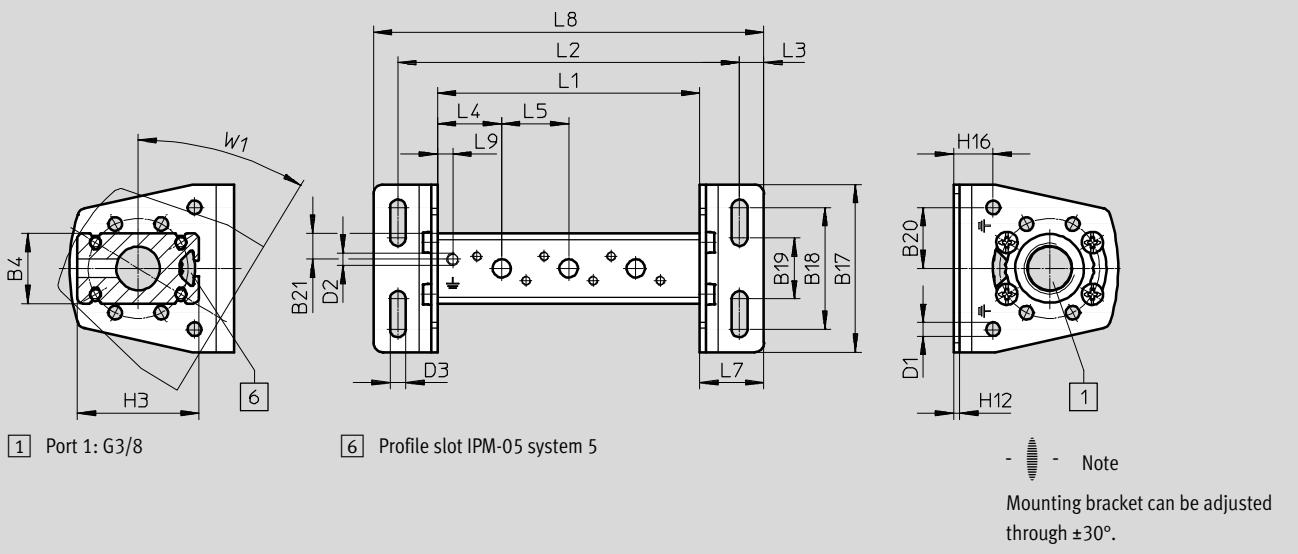
| Valve positions | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-----------------|----|----|-----|-----|-----|-----|-----|-----|-----|
| L1 [mm] | 72 | 94 | 116 | 138 | 160 | 182 | 204 | 226 | 248 |
| L2 [mm] | 60 | 82 | 104 | 126 | 148 | 170 | 192 | 214 | 236 |

Solenoid valves VUVS/valve manifold VTUS

Technical data – Manifold block, size 20

Dimensions

Supply manifold, mounting on both sides

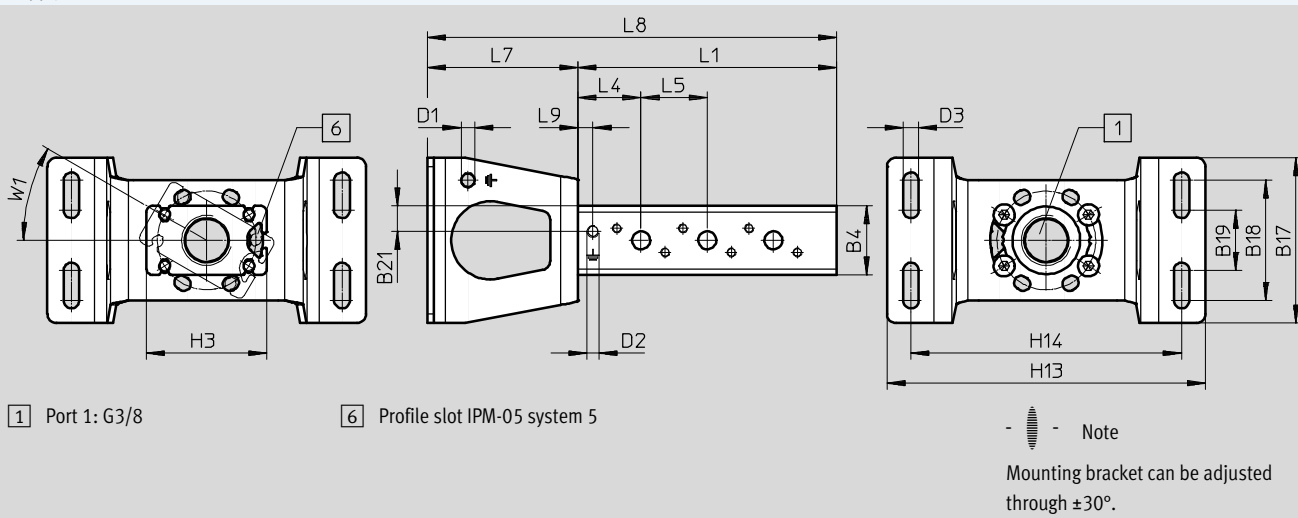


| Type | B4 | B17 | B18 | B19 | B20 | B21 | D1 Ø | D2 | D3 Ø | H3 | H12 | H16 | L3 | L4 | L5 | L7 | L9 | W1 |
|-------------------------|----|-----|-----|-----|-----|-----|------|--------|------|----|-----|-----|----|----|----|----|----|-----|
| VABM-B10-20-G38-...-P53 | 23 | 55 | 40 | 20 | 20 | 8.5 | 4.5 | M4x6.5 | 5.2 | 40 | 2 | 13 | 8 | 21 | 22 | 21 | 5 | 30° |

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

Dimensions

Supply manifold, mounting on one side

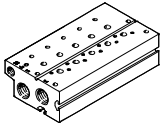

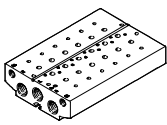


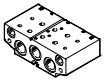
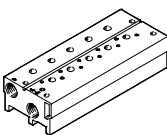

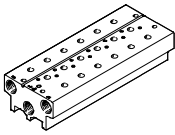



| Type | B4 | B17 | B18 | B19 | B21 | D1 Ø | D2 | D3 Ø | H3 | H13 | H14 | L4 | L5 | L7 | L9 | W1 |
|-------------------------|----|-----|-----|-----|-----|------|--------|------|----|-----|-----|----|----|----|----|-----|
| VABM-B10-20-G38-2-P53-E | 23 | 55 | 40 | 20 | 8.5 | 4.5 | M4x6.5 | 5.2 | 40 | 106 | 90 | 21 | 22 | 50 | 5 | 30° |

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

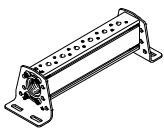
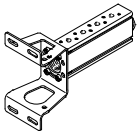
Solenoid valves VUVS/valve manifold VTUS

Accessories – Manifold block, size 20

| Ordering data – Manifold block | | | | |
|--|---|----------|-------------------------|--------------------|
| Description | Valve positions | Part No. | Type | |
| Standard manifold block | | | | |
|  <p>For 3/2-way valves, incl. seals and screws for valve assembly</p> <p>-  - Note Blanking plugs for sealing the supply ports (1, 3 and 14) at one end are included in the scope of delivery.</p> | 2 | 576441 | VABM-B10-20E-G38-2-P3 | |
| | 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 | |
| |  <p>For 5/2 and 5/3-way valves, incl. seals and screws for valve assembly</p> <p>-  - Note Blanking plugs for sealing the supply ports (1, 3, 5, 12 and 14) at one end are included in the scope of delivery.</p> | 2 | 576339 | VABM-B10-20E-G38-2 |
| 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 | | | | |
|  <p>For 3/2-way valves, incl. seals and screws for valve assembly</p> | 2 | 576490 | VABM-B10-20EEE-G38-2-P3 | |
|  <p>For 5/2 and 5/3-way valves, incl. seals and screws for valve assembly</p> | 2 | 576489 | VABM-B10-20EEE-G38-2 | |
| Compact manifold block | | | | |
|  <p>For 3/2-way valves, incl. seals and screws for valve assembly</p> <p>-  - Note Blanking plugs for sealing the supply ports (1, 3 and 14) at one end are included in the scope of delivery.</p> | 2 | 576465 | VABM-B10-20S-G14-2-P3 | |
| | 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 | |
| |  <p>For 5/2 and 5/3-way valves, incl. seals and screws for valve assembly</p> <p>-  - Note Blanking plugs for sealing the supply ports (1, 3, 5, 12 and 14) at one end are included in the scope of delivery.</p> | 2 | 576417 | VABM-B10-20S-G14-2 |
| 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 | |

Solenoid valves VUVS/valve manifold VTUS

Accessories – Manifold block, size 20

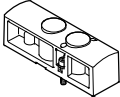

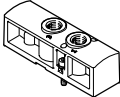

| Ordering data | | | |
|--|--|---------------|--------------------------------|
| Description | Valve positions | Part No. | Type |
| Supply manifold | | | |
|  <p>For mounting on both sides, incl. seals and screws for valve assembly</p> | 2 | 576363 | VABM-B10-20-G38-2-P53 |
| | 3 | 576364 | VABM-B10-20-G38-3-P53 |
| | 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 |
| |  <p>For mounting on one side, incl. seals and screws for valve assembly</p> | 2 | 576414 |
| 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) at one end included in the scope of delivery.





Solenoid valves VUVS/valve manifold VTUS

Accessories – Manifold block, size 20

| Ordering data | | | |
|---|---|------------|---------------------------------------|
| Description | | Weight [g] | Part No. Type |
| Blanking plate | | | |
|  | 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 supply manifold | 13 | 576409 VABB-B10-20-A |
| Supply plate | | | |
|  | 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 |
| Supply plate | | | |
|  | For valve position on supply manifold | 13 | 576491 VABF-B10-20-P1-G18 |

Solenoid valves VUVS/valve manifold VTUS






Accessories – Manifold block, size 20

| Ordering data | | | | | |
|---|---|---------------|-------------------------|-------------------------|------------------|
| | Description | | Part No. | Type | PU ¹⁾ |
| Push-in fitting with external hex | | | | | |
|  | Connecting thread M5 for tubing O.D. | 12 mm | 186350 | QS-G1/4-12 | 10 |
| | Connecting thread G $\frac{3}{8}$ for tubing O.D. | 16 mm | 186347 | QS-G3/8-16 | 1 |
| Push-in fitting with internal hex socket | | | | | |
|  | Connecting thread M5 for tubing O.D. | 4 mm | 153315 | QSM-M5-4-I | 10 |
| | Connecting thread G $\frac{1}{8}$ 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 G $\frac{1}{4}$ for tubing O.D. | 8 mm | 186110 | QS-G1/4-8-I | 10 |
| | | 10 mm | 186112 | QS-G1/4-10-I | 10 |
| | Connecting thread G $\frac{3}{8}$ 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 G $\frac{1}{8}$ 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 G $\frac{1}{4}$ 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 G $\frac{3}{8}$ 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 G $\frac{1}{8}$ for tubing O.D. | 4 mm | 186127 | QSL-L-G1/8-4 | 10 |
| | | | 133015 | QSL-L-G1/8-4-100 | 100 |
| | 6 mm | 186128 | QSL-L-G1/8-6 | 10 | |
| | | 133016 | QSL-L-G1/8-6-100 | 100 | |
| | 8 mm | 186130 | QSL-L-G1/8-8 | 10 | |
| | | 133017 | QSL-L-G1/8-8-100 | 100 | |

1) Packaging unit

Solenoid valves VUVS/valve manifold VTUS


Accessories – Manifold block, size 20

| Ordering data | | | | | |
|---|---|----------------------|-----------|------------------|-----|
| | Description | Part No. | Type | PU ¹⁾ | |
| Silencer | | | | | |
|  | With connecting thread | 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 |
| | | G3/8 | 6843 | U-3/8-B | 1 |
| | | 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 | G1/4 | 569996 | VABD-10-B | 1 |
| | | G3/8 | 574483 | VABD-14-B | 1 |
| H-rail mounting | | | | | |
|  | For mounting the valve manifold on standard H-rail TH 35-7.5 or TH 35-15, to EN 60715 | 569998 | VAME-T-M4 | 2 | |
| Inscription label | | | | | |
|  | 40 pieces in frame | 565306 | ASLR-C-E4 | 1 | |

1) Packaging unit

Solenoid valves VUVS/valve manifold VTUS

Technical data – Manifold block, size 25

 Flow rate
Up to 1300 l/min



| General technical data | | | | | | | | |
|--------------------------------|-------------------------|----------|--|----------|------------------------|----------|-----------------------|-------------|
| Valve function | Manifold block standard | | Extension module for standard manifold block | | Manifold block compact | | 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 |
| 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 | | | | | | With 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 | – | – | – | – |
| CRC ¹⁾ | 2 ¹⁾ | | | | | | | |

1) Corrosion resistance class CRC 2 to Festo standard FN 940070
Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

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

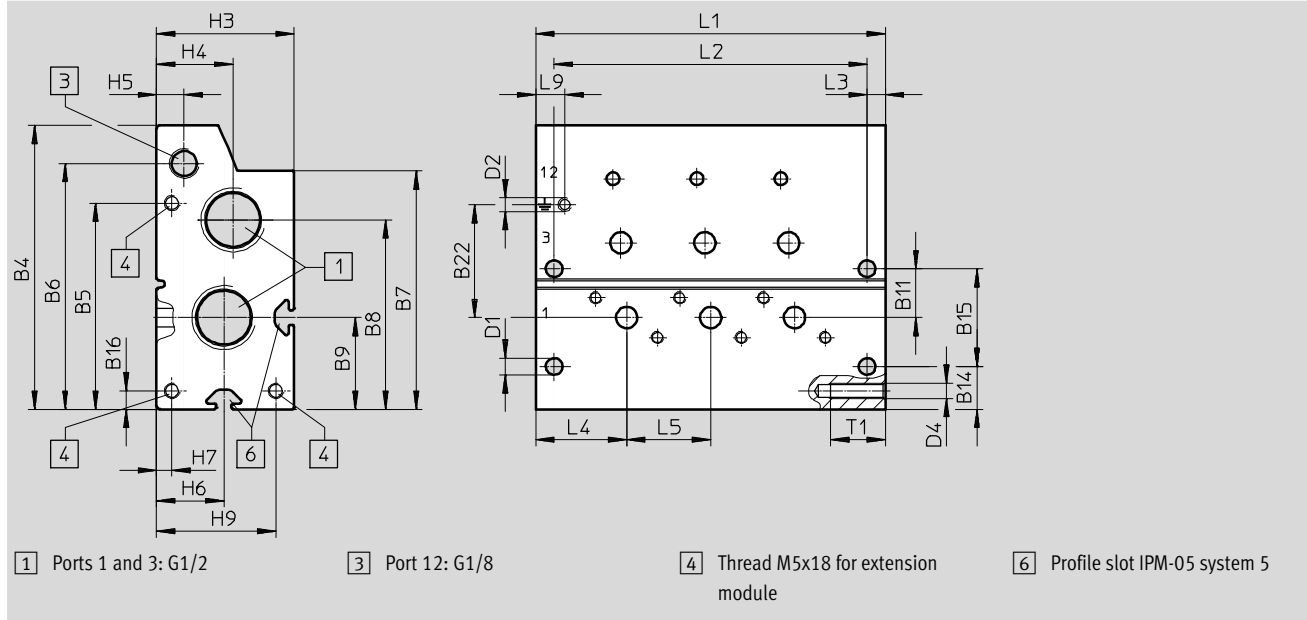
Solenoid valves VUVS/valve manifold VTUS

Technical data – Manifold block, size 25

| Information on materials | |
|--------------------------|-------------------------|
| Materials | Wrought aluminium alloy |
| Note on materials | RoHS compliant |

Dimensions

Manifold block for 3/2-way valves, standard



| 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 |

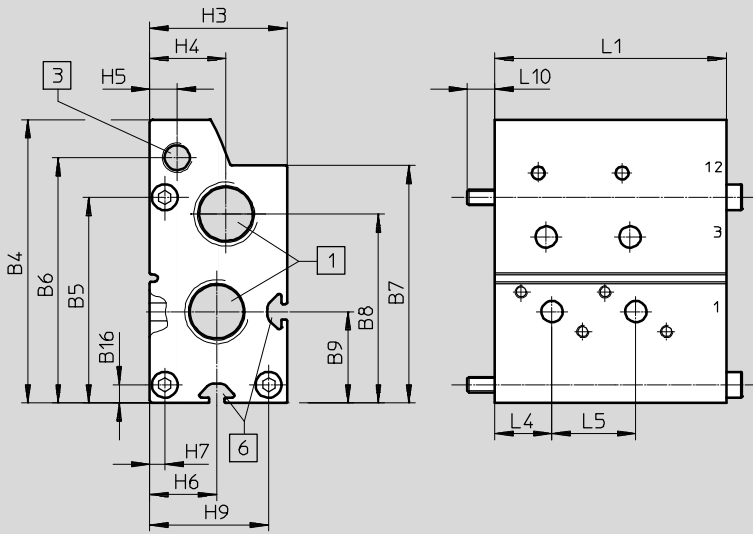
| Valve positions | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-----------------|----|-------|-----|-------|-----|-------|-----|-------|-----|
| L1 [mm] | 87 | 114.5 | 142 | 169.5 | 197 | 224.5 | 252 | 279.5 | 307 |
| L2 [mm] | 75 | 102.5 | 130 | 157.5 | 185 | 212.5 | 240 | 267.5 | 295 |

Solenoid valves VUVS/valve manifold VTUS

Technical data – Manifold block, size 25

Dimensions

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



- 1 Ports 1 and 3: G1/2
- 3 Port 12: G1/8
- 6 Profile slot IPM-05 system 5

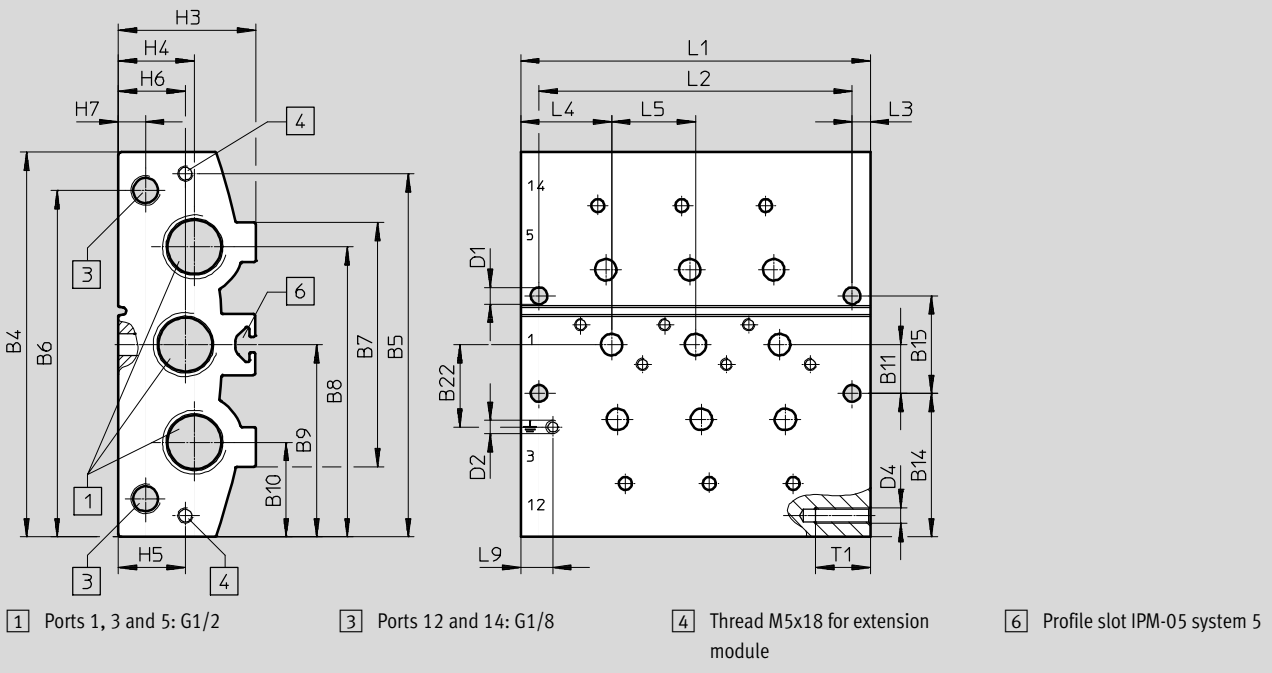
| Type | B4 | B5 | B6 | B7 | B8 | B9 | B16 | H3 | H4 | H5 | H6 | H7 | H9 | L4 | L5 | L10 | L1 |
|-------------------------|----|------|------|----|----|----|-----|----|----|----|----|----|----|------|------|-----|----|
| VABM-B10-25EEE-G12-2-P3 | 93 | 67.5 | 80.5 | 78 | 62 | 30 | 6 | 45 | 25 | 9 | 22 | 5 | 39 | 18.8 | 27.5 | 9 | 76 |

Solenoid valves VUVS/valve manifold VTUS

Technical data – Manifold block, size 25

Dimensions

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



| 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 |

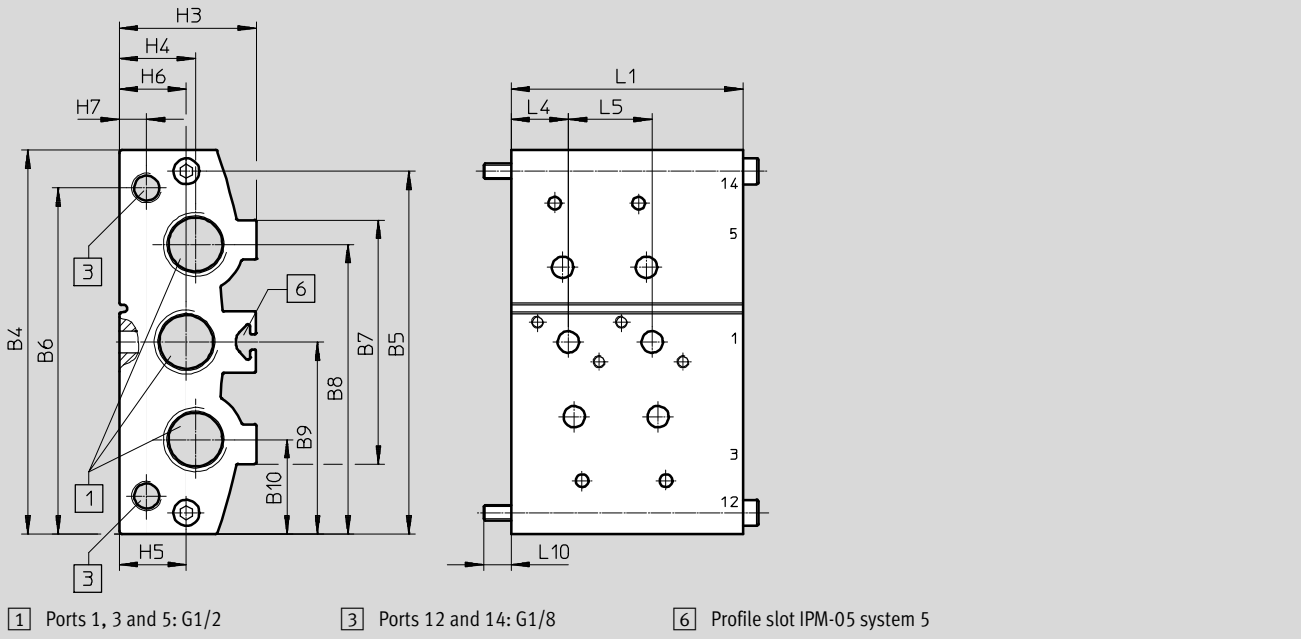
| Valve positions | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-----------------|----|-------|-----|-------|-----|-------|-----|-------|-----|
| L1 [mm] | 87 | 114.5 | 142 | 169.5 | 197 | 224.5 | 252 | 279.5 | 307 |
| L2 [mm] | 75 | 102.5 | 130 | 157.5 | 185 | 212.5 | 240 | 267.5 | 295 |

Solenoid valves VUVS/valve manifold VTUS

Technical data – Manifold block, size 25

Dimensions

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



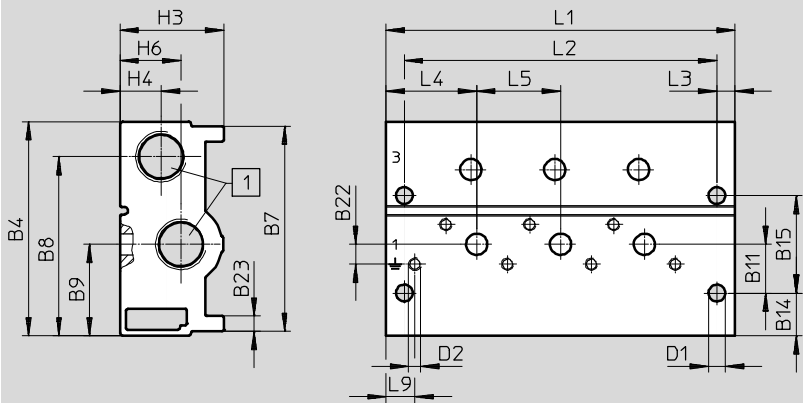
| Type | B4 | B5 | B6 | B7 | B8 | B9 | B10 | H3 | H4 | H5 | H6 | H7 | L1 | L4 | L5 | L10 |
|----------------------|-----|-------|------|----|----|----|-----|----|------|----|----|-----|----|----|----|-----|
| VABM-B10-25EEE-G12-2 | 110 | 100.5 | 97.5 | 73 | 81 | 55 | 29 | 37 | 23.5 | 22 | 18 | 8.5 | 60 | 13 | 22 | 10 |

Solenoid valves VUVS/valve manifold VTUS

Technical data – Manifold block, size 25

Dimensions

Manifold block for 3/2-way valves, compact



1 Ports 1 and 3: G3/8

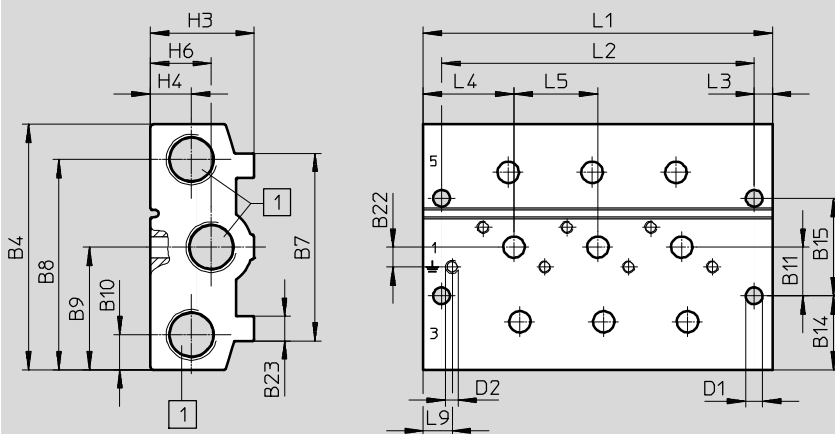
| Type | B4 | B7 | B8 | B9 | B11 | B14 | B15 | B22 | B23 |
|-------------------------|------|------|------|----|-----|-----|-----|-----|-----|
| VABM-B10-25S-G38-...-P3 | 70.3 | 67.3 | 58.8 | 30 | 16 | 14 | 32 | 6.5 | 5 |

| 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 [mm] | 87 | 114.5 | 142 | 169.5 | 197 | 224.5 | 252 | 279.5 | 307 |
| L2 [mm] | 75 | 102.5 | 130 | 157.5 | 185 | 212.5 | 240 | 267.5 | 295 |

Dimensions

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 |

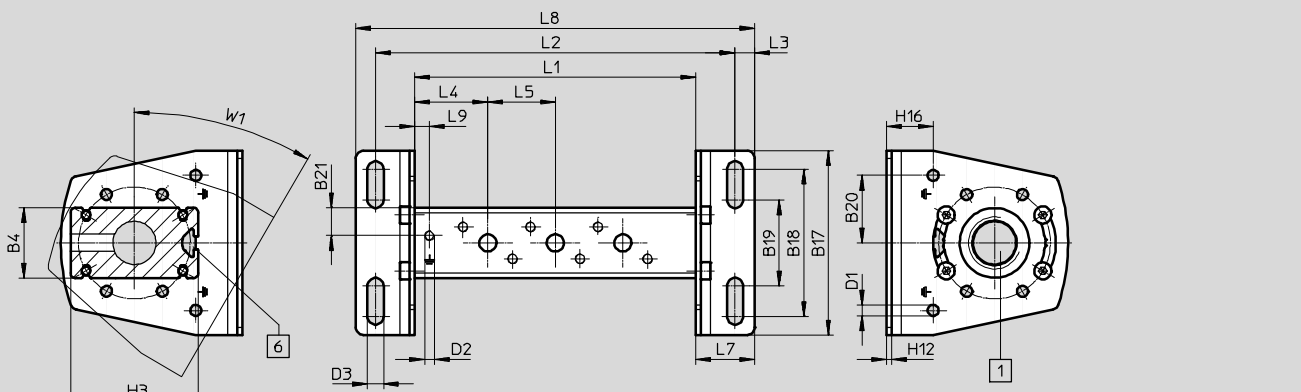
| Valve positions | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-----------------|----|-------|-----|-------|-----|-------|-----|-------|-----|
| L1 [mm] | 87 | 114.5 | 142 | 169.5 | 197 | 224.5 | 252 | 279.5 | 307 |
| L2 [mm] | 75 | 102.5 | 130 | 157.5 | 185 | 212.5 | 240 | 267.5 | 295 |

Solenoid valves VUVS/valve manifold VTUS

Technical data – Manifold block, size 25

Dimensions

Supply manifold, mounting on both sides



1 Port 1: G1/2

6 Profile slot IPM-05 system 5

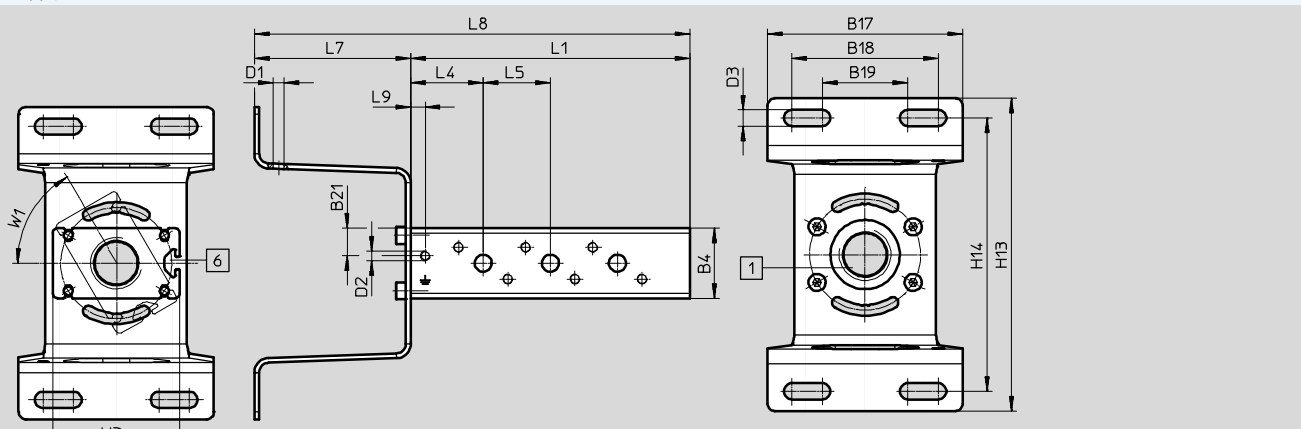
Note
Mounting bracket can be adjusted through $\pm 30^\circ$.

| Type | B4 | B17 | B18 | B19 | B20 | B21 | D1 \varnothing | D2 | D3 \varnothing | H3 | H12 | H16 | L3 | L4 | L5 | L7 | L9 | W1 |
|-------------------------|------|-----|-----|-----|------|------|------------------|------|------------------|----|-----|-----|----|------|------|----|----|-----|
| VABM-B10-25-G12-...-P53 | 28.7 | 75 | 60 | 35 | 27.5 | 11.4 | 4.5 | M4x9 | 6.6 | 52 | 2 | 19 | 8 | 29.8 | 27.5 | 24 | 6 | 30° |

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

Dimensions

Supply manifold, mounting on one side



1 Port 1: G1/2

6 Profile slot IPM-05 system 5

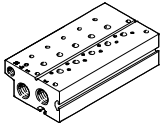

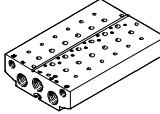



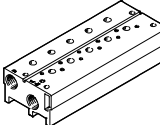

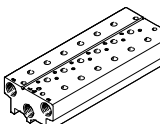

Note
Mounting bracket can be adjusted through $\pm 30^\circ$.

| Type | B4 | B17 | B18 | B19 | B21 | D1 \varnothing | D2 | D3 \varnothing | H3 | H13 | H14 | L4 | L5 | L7 | L9 | W1 |
|---------------------------|------|-----|-----|-----|------|------------------|------|------------------|----|-----|-----|------|------|----|----|-----|
| VABM-B10-25-G12-...-P53-E | 28.7 | 80 | 60 | 35 | 11.4 | 4.5 | M4x9 | 6.6 | 52 | 128 | 112 | 29.8 | 27.5 | 64 | 6 | 30° |

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

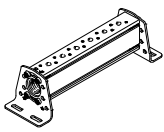
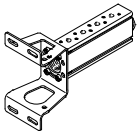
Solenoid valves VUVS/valve manifold VTUS

Accessories – Manifold block, size 25

| Ordering data – Manifold block | | | | |
|--|---|----------|-------------------------|--------------------|
| Description | Valve positions | Part No. | Type | |
| Standard manifold block | | | | |
|  <p>For 3/2-way valves, incl. seals and screws for valve assembly</p> <p>-  - Note Blanking plugs for sealing the supply ports (1, 3 and 14) at one end are included in the scope of delivery.</p> | 2 | 8026279 | VABM-B10-25E-G12-2-P3 | |
| | 3 | 8026280 | VABM-B10-25E-G12-3-P3 | |
| | 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 | |
| |  <p>For 5/2 and 5/3-way valves, incl. seals and screws for valve assembly</p> <p>-  - Note Blanking plugs for sealing the supply ports (1, 3, 5, 12 and 14) at one end are included in the scope of delivery.</p> | 2 | 8026243 | VABM-B10-25E-G12-2 |
| 3 | | 8026244 | VABM-B10-25E-G12-3 | |
| 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 | | 8026250 | VABM-B10-25E-G12-9 | |
| 10 | | 8026251 | VABM-B10-25E-G12-10 | |
| Manifold block, extension module for standard manifold block | | | | |
|  <p>For 3/2-way valves, incl. seals and screws for valve assembly</p> | 2 | 8026316 | VABM-B10-25EEE-G12-2-P3 | |
|  <p>For 5/2 and 5/3-way valves, incl. seals and screws for valve assembly</p> | 2 | 8026315 | VABM-B10-25EEE-G12-2 | |
| Compact manifold block | | | | |
|  <p>For 3/2-way valves, incl. seals and screws for valve assembly</p> <p>-  - Note Blanking plugs for sealing the supply ports (1, 3 and 14) at one end are included in the scope of delivery.</p> | 2 | 8026297 | VABM-B10-25S-G38-2-P3 | |
| | 3 | 8026298 | VABM-B10-25S-G38-3-P3 | |
| | 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 | |
| |  <p>For 5/2 and 5/3-way valves, incl. seals and screws for valve assembly</p> <p>-  - Note Blanking plugs for sealing the supply ports (1, 3, 5, 12 and 14) at one end are included in the scope of delivery.</p> | 2 | 8026261 | VABM-B10-25S-G38-2 |
| 3 | | 8026262 | VABM-B10-25S-G38-3 | |
| 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 | |

Solenoid valves VUVS/valve manifold VTUS

Accessories – Manifold block, size 25

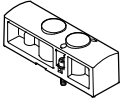
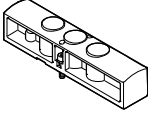

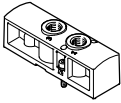
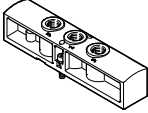

| Ordering data | | | |
|--|--|----------------|--------------------------------|
| Description | Valve positions | Part No. | Type |
| Supply manifold | | | |
|  <p>For mounting on both sides, incl. seals and screws for valve assembly</p> | 2 | 8026219 | VABM-B10-25-G12-2-P53 |
| | 3 | 8026220 | VABM-B10-25-G12-3-P53 |
| | 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 |
| |  <p>For mounting on one side, incl. seals and screws for valve assembly</p> | 2 | 8026237 |
| 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) at one end included in the scope of delivery.




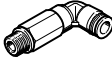
Solenoid valves VUVS/valve manifold VTUS

Accessories – Manifold block, size 25

| Ordering data | | | |
|---|---|------------|--|
| Description | | Weight [g] | Part No. Type |
| Blanking plate | | | |
|  | 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 supply manifold | 28 | 8026208 VABB-B10-25-A |
| Supply plate | | | |
|  | 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 |
| Supply plate | | | |
|  | For valve position on supply manifold | 26 | 8026317 VABF-B10-25-P1-G14 |

Solenoid valves VUVS/valve manifold VTUS






Accessories – Manifold block, size 25

| Ordering data | | | | | |
|---|---|-----------------------|-----------------------|------------------------|------------------|
| | Description | | Part No. | Type | PJ ¹⁾ |
| Push-in fitting with external hex | | | | | |
|  | Connecting thread G $\frac{3}{8}$ for tubing O.D. | 16 mm | 186347 | QS-G3/8-16 | 1 |
| | Connecting thread G $\frac{1}{2}$ for tubing O.D. | 16 mm | 186105 | QS-G1/2-16 | 1 |
| | | | 132047 | QS-G1/2-16-20 | 20 |
| Push-in fitting with internal hex socket | | | | | |
|  | Connecting thread M5 for tubing O.D. | 4 mm | 153315 | QSM-M5-4-I | 10 |
| | Connecting thread G $\frac{1}{8}$ for tubing O.D. | 6 mm | 186107 | QS-G1/8-6-I | 10 |
| | | | 133009 | QS-G1/8-6-I-100 | 100 |
| | | | 186108 | QS-G1/4-6-I | 10 |
| | Connecting thread G $\frac{1}{4}$ for tubing O.D. | 6 mm | 186110 | QS-G1/4-8-I | 10 |
| | | 8 mm | 186111 | QS-G3/8-8-I | 10 |
| | | 10 mm | 186112 | QS-G1/4-10-I | 10 |
| | Connecting thread G $\frac{3}{8}$ 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 G $\frac{1}{2}$ for tubing O.D. | 12 mm | 186115 | QS-G1/2-12-I | 1 | |
| Angled push-in fitting with external hex | | | | | |
|  | Connecting thread G $\frac{1}{4}$ 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 |
| | Connecting thread G $\frac{3}{8}$ 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 | |
| 132059 | | QSL-G1/2-16-20 | 20 | | |
| Connecting thread G $\frac{1}{2}$ 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 | |
| Angled push-in fitting, long, with external hex | | | | | |
|  | Connecting thread G $\frac{1}{4}$ 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

Solenoid valves VUVS/valve manifold VTUS


Accessories – Manifold block, size 25

| Ordering data | | | | | |
|---|---|----------|-----------|------------------|-----|
| | Description | Part No. | Type | PU ¹⁾ | |
| Silencer | | | | | |
|  | With connecting thread G | G1/4 | 2316 | U-1/4 | 1 |
| | | | 534223 | U-1/4-20 | 20 |
| | | G3/8 | 6843 | U-3/8-B | 1 |
| | | | 534224 | U-3/8-20 | 20 |
| | | G1/2 | 6844 | U-1/2-B | 1 |
| Blanking plug | | | | | |
|  | With connecting thread G | 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 on standard H-rail TH 35-7.5 or TH 35-15, to EN 60715 | 2636436 | VAME-T-M5 | 2 | |
| Inscription label | | | | | |
|  | 40 pieces in frame | 565306 | ASLR-C-E4 | 1 | |

1) Packaging unit

Solenoid valves VUVS/valve manifold VTUS

Technical data – Manifold block, size 30

 Flow rate
Up to 2300 l/min



| General technical data | | | | | | | | |
|--------------------------------|-------------------------|----------|--|----------|------------------------|----------|-----------------------|-------------|
| Valve function | Manifold block standard | | Extension module for standard manifold block | | Manifold block compact | | 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 |
| 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 | | | | | | With 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 | – | – | – | – |
| CRC ¹⁾ | 2 ¹⁾ | | | | | | | |

1) Corrosion resistance class CRC 2 to Festo standard FN 940070
Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

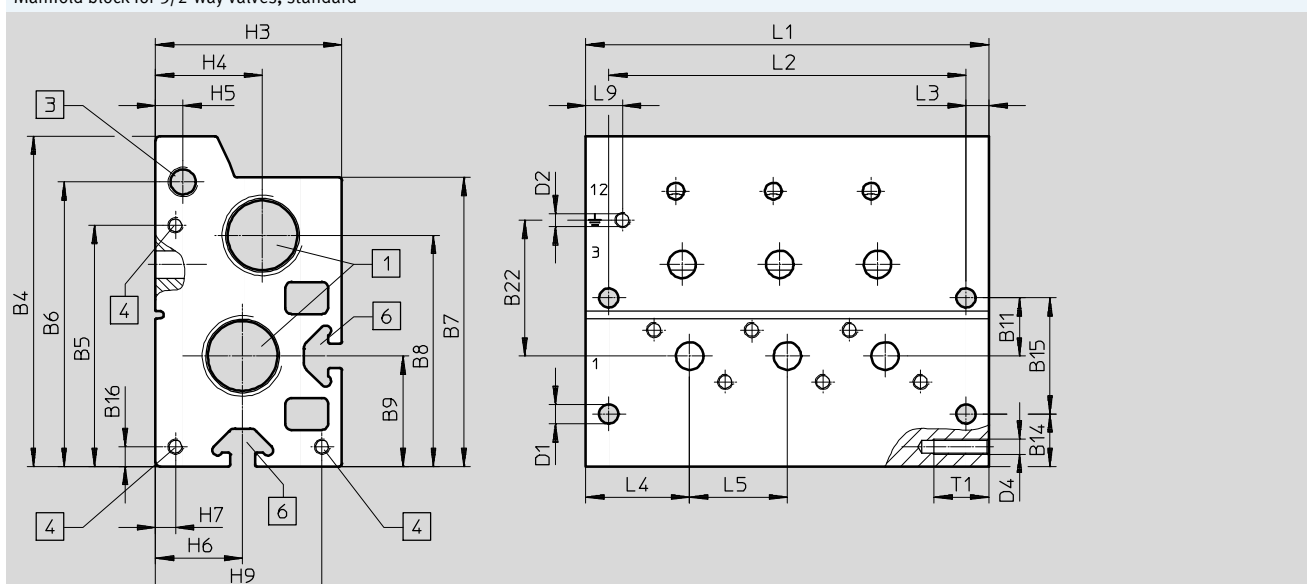
| Weight [g] | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|
| Valve positions | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Manifold block for 3/2-way valves, standard | | | | | | | | | |
| VABM-B10-30E-G34-...-P3 | 1411 | 1828 | 2245 | 2662 | 3079 | 3496 | 3913 |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

Solenoid valves VUVS/valve manifold VTUS

Technical data – Manifold block, size 30

| Information on materials | |
|--------------------------|-------------------------|
| Materials | Wrought aluminium alloy |
| Note on materials | RoHS compliant |

Dimensions
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-05 system 5

| 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 |

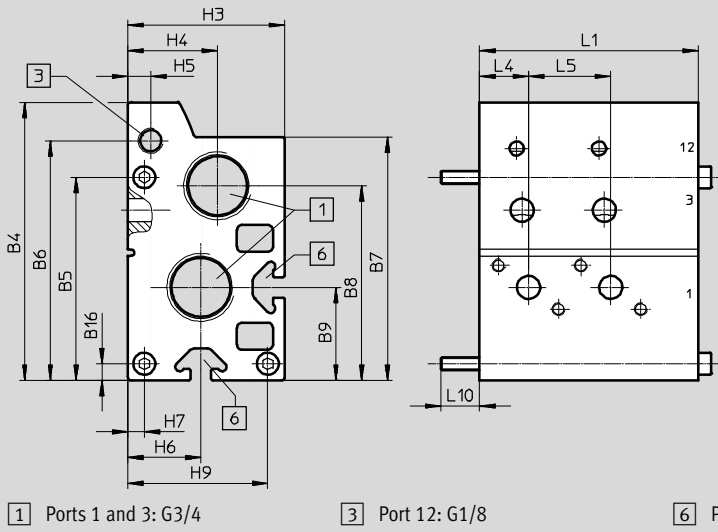
| Valve positions | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| L1 [mm] | 100 | 132 | 164 | 196 | 228 | 260 | 292 | 324 | 356 |
| L2 [mm] | 85 | 117 | 149 | 181 | 213 | 245 | 277 | 309 | 341 |

Solenoid valves VUVS/valve manifold VTUS

Technical data – Manifold block, size 30

Dimensions

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



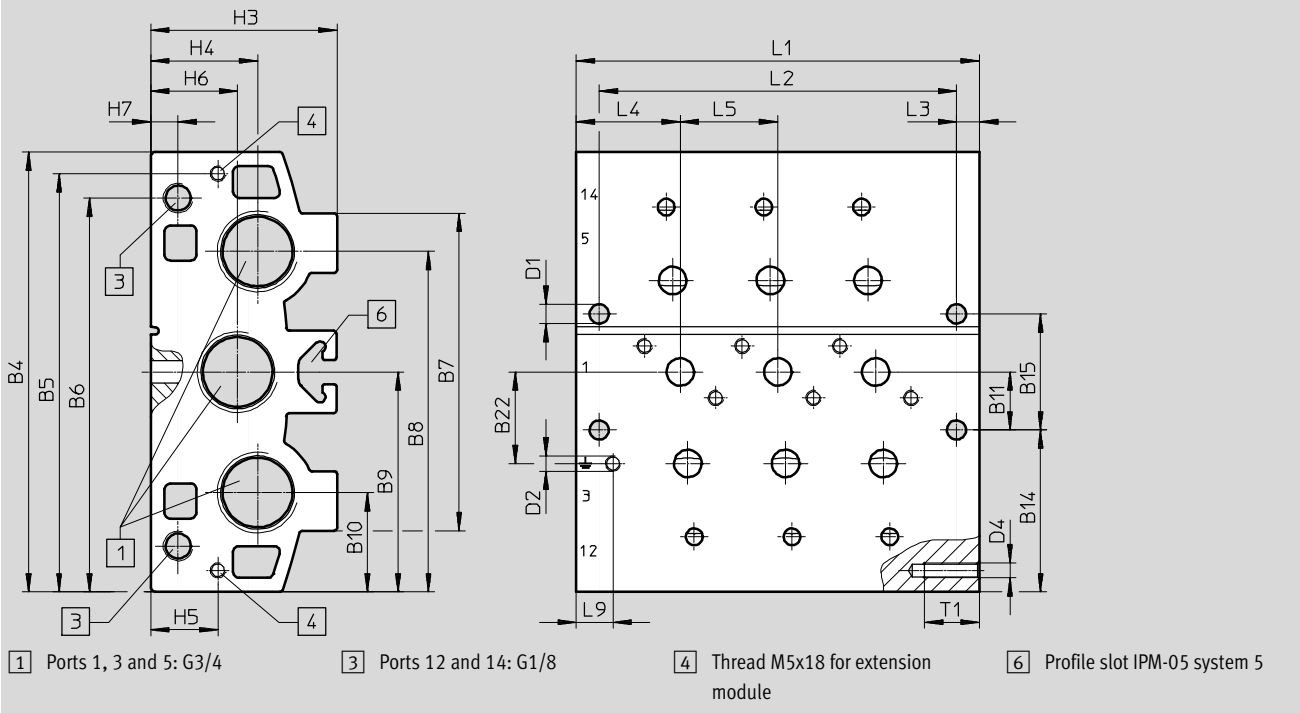
| Type | B4 | B5 | B6 | B7 | B8 | B9 | B16 | H3 | H4 | H5 | H6 | H7 | H9 | L4 | L5 | L10 | L1 |
|-------------------------|-------|----|------|------|------|------|-----|----|----|----|------|-----|------|----|----|-----|----|
| VABM-B10-30EEE-G34-2-P3 | 108.2 | 79 | 93.2 | 94.7 | 75.7 | 36.2 | 6.5 | 61 | 35 | 9 | 28.5 | 6.5 | 54.5 | 19 | 32 | 15 | 85 |

Solenoid valves VUVS/valve manifold VTUS

Technical data – Manifold block, size 30

Dimensions

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



| 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 |

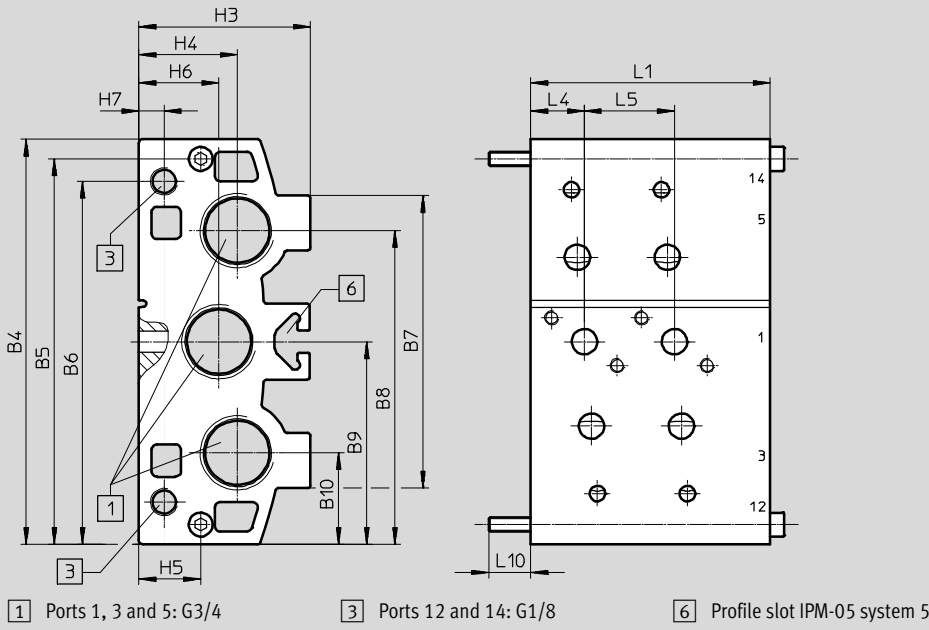
| Valve positions | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| L1 [mm] | 100 | 132 | 164 | 196 | 228 | 260 | 292 | 324 | 356 |
| L2 [mm] | 85 | 117 | 149 | 181 | 213 | 245 | 277 | 309 | 341 |

Solenoid valves VUVS/valve manifold VTUS

Technical data – Manifold block, size 30

Dimensions

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



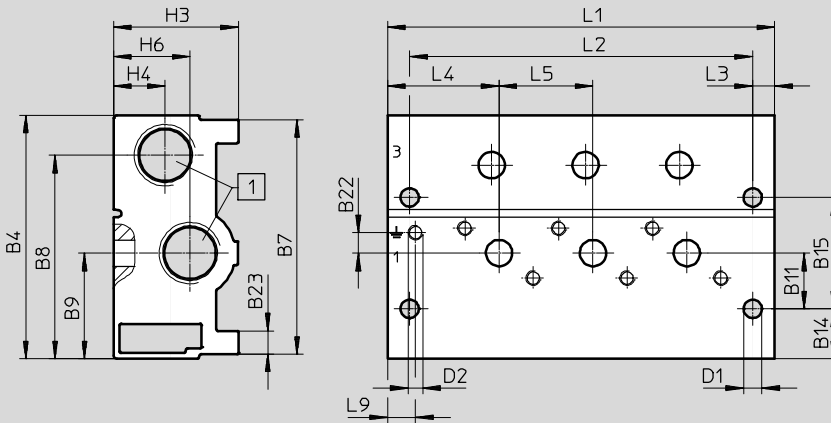
| Type | B4 | B5 | B6 | B7 | B8 | B9 | B10 | H3 | H4 | H5 | H6 | H7 | L1 | L4 | L5 | L10 |
|----------------------|-----|-----|-----|-----|-------|----|------|----|----|----|------|----|----|----|----|-----|
| VABM-B10-30EEE-G34-2 | 144 | 137 | 129 | 104 | 111.5 | 72 | 32.5 | 61 | 35 | 22 | 28.5 | 9 | 85 | 19 | 32 | 15 |

Solenoid valves VUVS/valve manifold VTUS

Technical data – Manifold block, size 30

Dimensions

Manifold block for 3/2-way valves, compact



1 Ports 1 and 3: G1/2

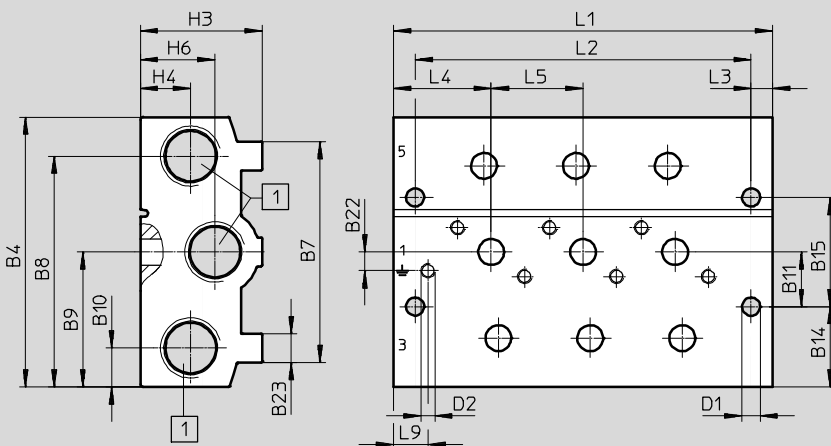
| Type | B4 | B7 | B8 | B9 | B11 | B14 | B15 | B22 | B23 |
|-------------------------|----|----|------|----|-----|-----|-----|-----|-----|
| VABM-B10-30S-G12-...-P3 | 83 | 80 | 69.4 | 36 | 19 | 17 | 38 | 7 | 8 |

| 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 [mm] | 100 | 132 | 164 | 196 | 228 | 260 | 292 | 324 | 356 |
| L2 [mm] | 85 | 117 | 149 | 181 | 213 | 245 | 277 | 309 | 341 |

Dimensions

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 |

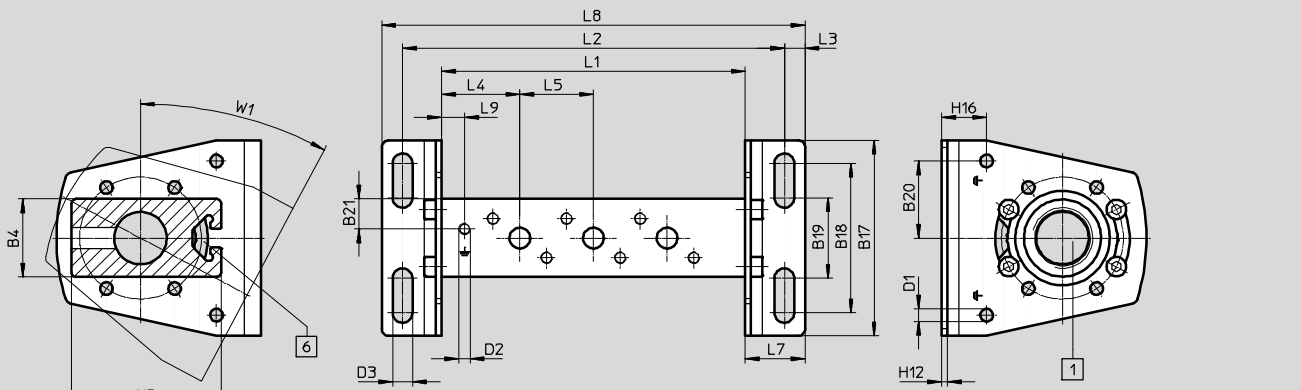
| Valve positions | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| L1 [mm] | 100 | 132 | 164 | 196 | 228 | 260 | 292 | 324 | 356 |
| L2 [mm] | 85 | 117 | 149 | 181 | 213 | 245 | 277 | 309 | 341 |

Solenoid valves VUVS/valve manifold VTUS

Technical data – Manifold block, size 30

Dimensions

Supply manifold, mounting on both sides



1 Port 1: G3/4

6 Profile slot IPM-05 system 5

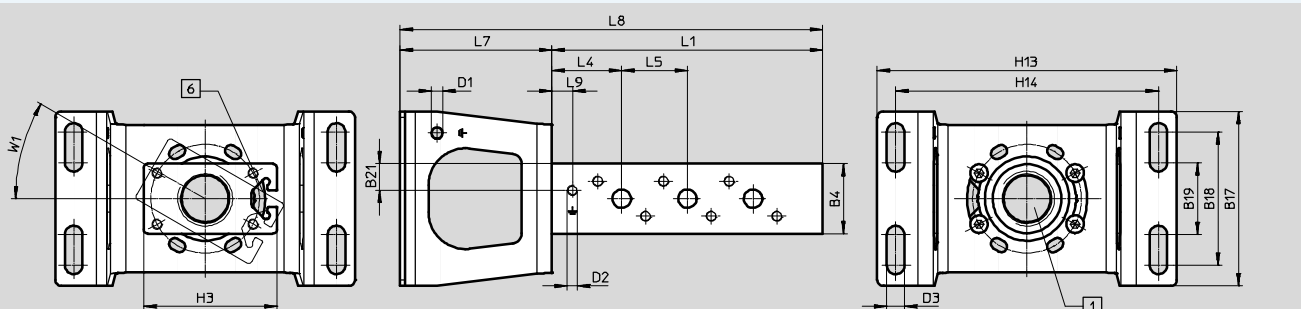
Note
Mounting bracket can be adjusted through $\pm 30^\circ$.

| Type | B4 | B17 | B18 | B19 | B20 | B21 | D1 \varnothing | D2 | D3 \varnothing | H3 | H12 | H16 | L3 | L4 | L5 | L7 | L9 | W1 |
|-------------------------|----|-----|-----|-----|------|-----|------------------|-------|------------------|----|-----|------|----|----|----|----|----|-----|
| VABM-B10-30-G34-...-P53 | 34 | 85 | 65 | 35 | 33.5 | 13 | 5.5 | M5x11 | 8.6 | 65 | 2.5 | 19.5 | 9 | 34 | 32 | 26 | 10 | 30° |

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

Dimensions

Supply manifold, mounting on one side



1 Port 1: G3/4

6 Profile slot IPM-05 system 5

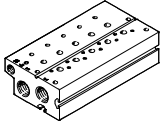

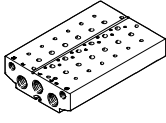



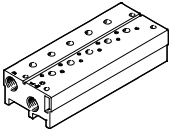

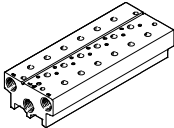

Note
Mounting bracket can be adjusted through $\pm 30^\circ$.

| Type | B4 | B17 | B18 | B19 | B21 | D1 \varnothing | D2 | D3 \varnothing | H3 | H13 | H14 | L4 | L5 | L7 | L9 | W1 |
|---------------------------|----|-----|-----|-----|-----|------------------|-------|------------------|----|-----|-----|----|----|----|----|-----|
| VABM-B10-30-G34-...-P53-E | 34 | 85 | 65 | 35 | 13 | 5.5 | M5x11 | 8.6 | 65 | 146 | 128 | 34 | 32 | 74 | 10 | 30° |

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

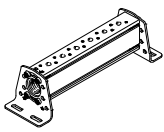
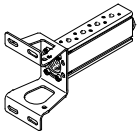
Solenoid valves VUVS/valve manifold VTUS

Accessories – Manifold block, size 30

| Ordering data – Manifold block | | | | |
|--|---|----------|-------------------------|--------------------|
| Description | Valve positions | Part No. | Type | |
| Standard manifold block | | | | |
|  <p>For 3/2-way valves, incl. seals and screws for valve assembly</p> <p>-  - Note Blanking plugs for sealing the supply ports (1, 3 and 14) at one end are included in the scope of delivery.</p> | 2 | 8026395 | VABM-B10-30E-G34-2-P3 | |
| | 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 | |
| |  <p>For 5/2 and 5/3-way valves, incl. seals and screws for valve assembly</p> <p>-  - Note Blanking plugs for sealing the supply ports (1, 3, 5, 12 and 14) at one end are included in the scope of delivery.</p> | 2 | 8026359 | VABM-B10-30E-G34-2 |
| 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 | | | | |
|  <p>For 3/2-way valves, incl. seals and screws for valve assembly</p> | 2 | 8026432 | VABM-B10-30EEE-G34-2-P3 | |
|  <p>For 5/2 and 5/3-way valves, incl. seals and screws for valve assembly</p> | 2 | 8026431 | VABM-B10-30EEE-G34-2 | |
| Compact manifold block | | | | |
|  <p>For 3/2-way valves, incl. seals and screws for valve assembly</p> <p>-  - Note Blanking plugs for sealing the supply ports (1, 3 and 14) at one end are included in the scope of delivery.</p> | 2 | 8026413 | VABM-B10-30S-G12-2-P3 | |
| | 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 | |
| |  <p>For 5/2 and 5/3-way valves, incl. seals and screws for valve assembly</p> <p>-  - Note Blanking plugs for sealing the supply ports (1, 3, 5, 12 and 14) at one end are included in the scope of delivery.</p> | 2 | 8026377 | VABM-B10-30S-G12-2 |
| 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 | |

Solenoid valves VUVS/valve manifold VTUS

Accessories – Manifold block, size 30

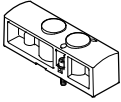
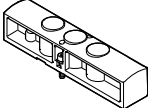

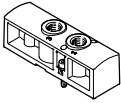
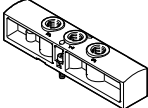

| Ordering data | | | |
|--|--|----------------|--------------------------------|
| Description | Valve positions | Part No. | Type |
| Supply manifold | | | |
|  <p>For mounting on both sides, incl. seals and screws for valve assembly</p> | 2 | 8026338 | VABM-B10-30-G34-2-P53 |
| | 3 | 8026339 | VABM-B10-30-G34-3-P53 |
| | 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 |
| |  <p>For mounting on one side, incl. seals and screws for valve assembly</p> | 2 | 8026356 |
| 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) at one end included in the scope of delivery.




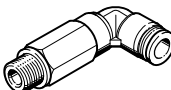

Solenoid valves VUVS/valve manifold VTUS

Accessories – Manifold block, size 30

| Ordering data | | | | |
|---|---|------------|----------------|--------------------------------|
| Description | | Weight [g] | Part No. | Type |
| Blanking plate | | | | |
|  | 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 supply manifold | 43 | 8026334 | VABB-B10-30-A |
| Supply plate | | | | |
|  | 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 |
| Supply plate | | | | |
|  | For valve position on supply manifold | 40 | 8026433 | VABF-B10-30-P1-G38 |

Solenoid valves VUVS/valve manifold VTUS




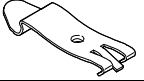

Accessories – Manifold block, size 30

| Ordering data | | | | | | |
|---|--|-------|---------------|------------------------|------------------------|--------------------|
| | Description | | Part No. | Type | PU ¹⁾ | |
| 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 |
| | | | | 186113 | QS-G3/8-10-I | 10 |
| | | | | 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 |
| | | | | 132058 | QSL-G1/2-12-20 | 20 |
| | | | 16 mm | | 186126 | QSL-G1/2-16 |
| | | | 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. 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. 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

Solenoid valves VUVS/valve manifold VTUS

Accessories – Manifold block, size 30

| Ordering data | | | | | |
|---|---|----------|-----------|------------------|-----|
| | Description | Part No. | Type | PU ¹⁾ | |
| Silencer | | | | | |
|  | With connecting thread G | G3/8 | 6843 | U-3/8-B | 1 |
| | | | 534224 | U-3/8-20 | 20 |
| | | G1/2 | 6844 | U-1/2-B | 1 |
| | | G3/4 | 6845 | U-3/4-B | 1 |
| Blanking plug | | | | | |
|  | With connecting thread G | 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 | |
| Inscription label | | | | | |
|  | 40 pieces in frame | 565306 | ASLR-C-E4 | 1 | |

1) Packaging unit