



- Space-saving thanks to small valve dimensions
- Straight-forward valve replacement
- Manual override and LED operating status display
- Flow rates of up to 180 l/min
- Wide range of pneumatic and electrical connection options
- Also available as a modular valve terminal

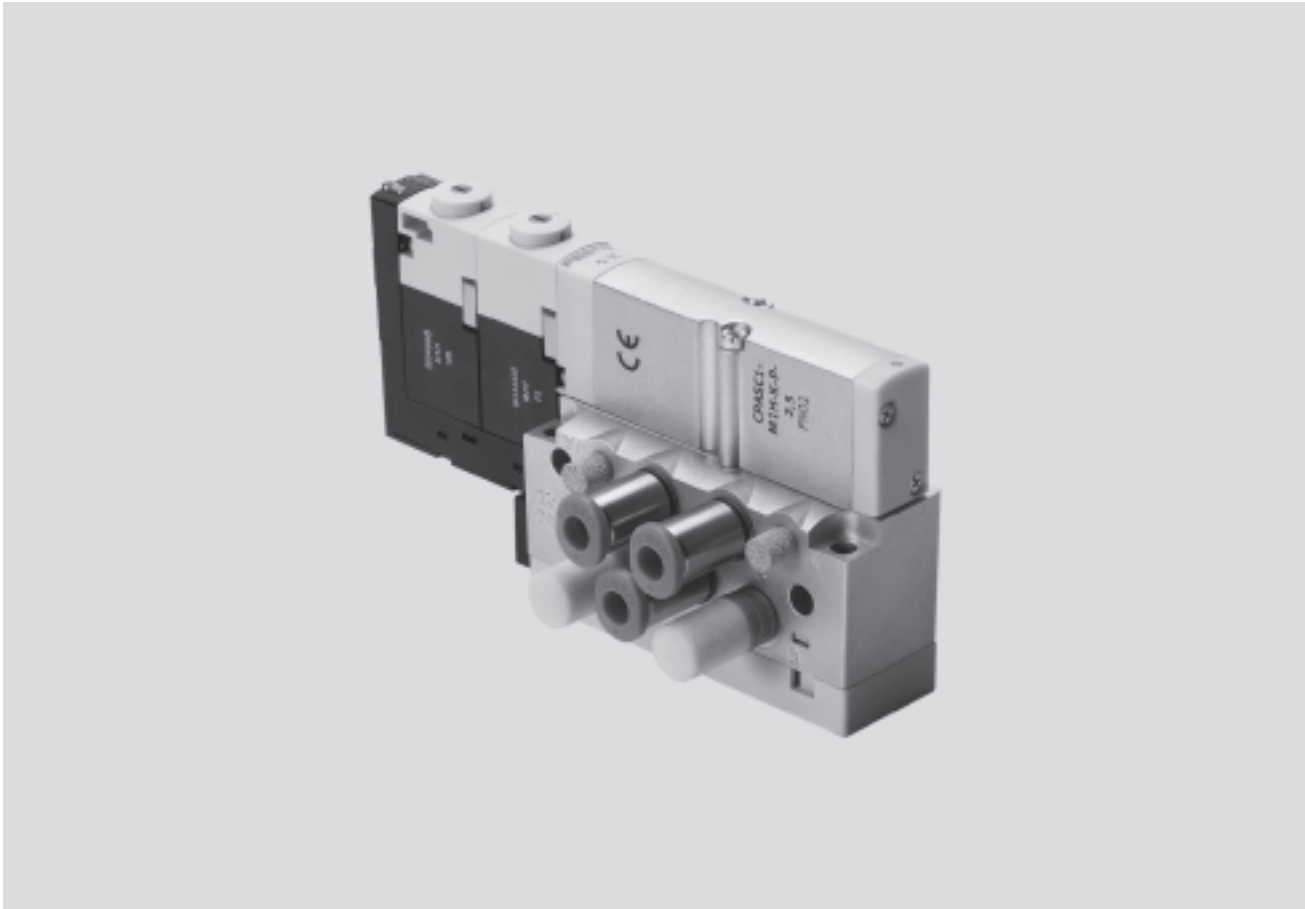
Solenoid valves CPASC1/ CPPSC1, Smart Cubic

Key features



Application-optimised directional control valves
Smart Cubic

3.3



Innovative

- Compact valve for a wide range of pneumatic applications
- Highly versatile during the planning and assembly stages as well as in operational use
- Numerous valve functions can be selected, including functions for vacuum applications
- Comprehensive, optimally harmonised range of accessories for flow rates of up to 180 l/min

The valves are identical with the valves in the valve terminal CPASC1. This simplifies planning, ordering and warehousing.

Flexible

- The flexibility of the pneumatic working lines facilitate a practical solution to different requirements
- Tubing lines can be connected horizontally to the valve or vertically to the sub-base
- Wide range of electrical connections for 24 V DC operating voltage

Reliable

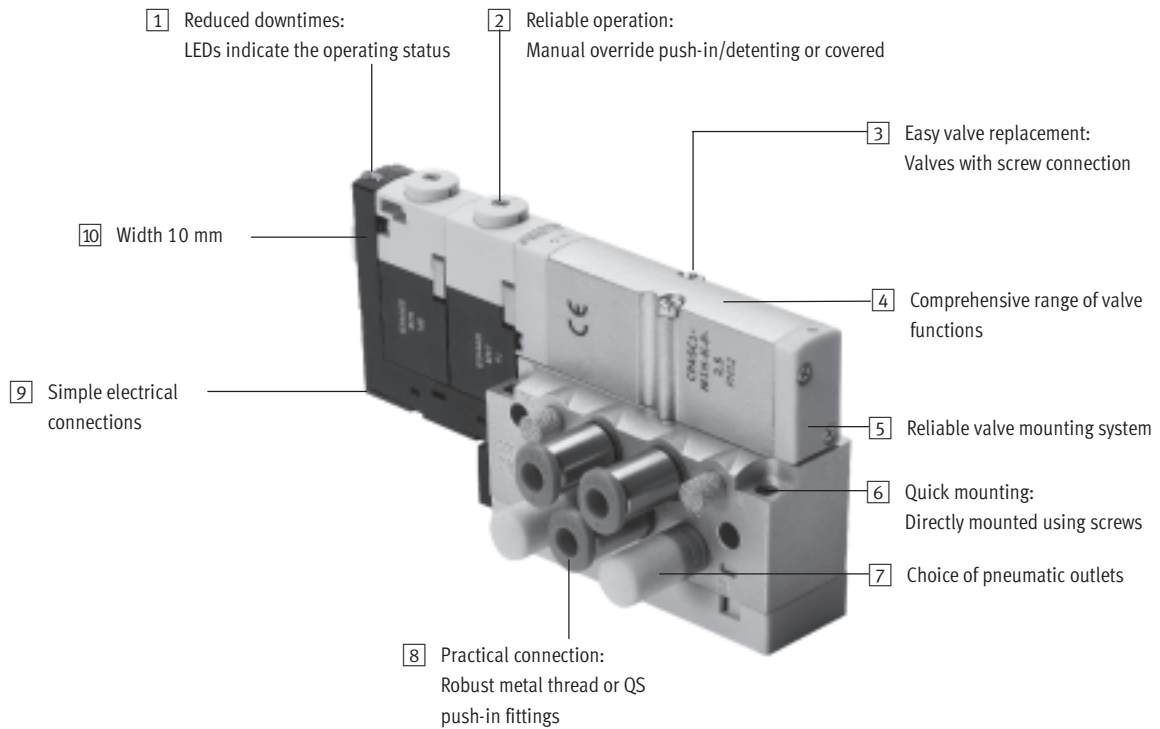
- Manual override
- Durable thanks to the use of tried-and-tested piston spool valves
- Sturdy thanks to metal housing and connecting thread
- Reduced downtimes through an LED operating status display at each valve position

Easy to assemble

- Fully assembled, tested valve
- Lower costs for ordering, installation and commissioning
- Direct mounting
- Valves are screwed onto a metal sub-base for reliable servicing

Solenoid valves CPASC1/PPSC1, Smart Cubic

Key features



Equipment options

The CPASC valve can be equipped with the following valve functions and electrical connections:

Valve functions

- 5/2-way valve, single solenoid
- 5/2-way valve, double solenoid
- 2x 3/2-way valve, normally open
- 2x 3/2-way valve, normally closed

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

- 2x 2/2-way valve, normally closed, dual compressed air supply

Electrical connections

- Plug-in (PI)
- Horizontal connector (HC)

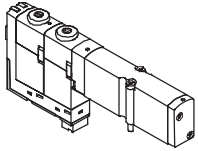
Solenoid valves CPASC1/PPSC1, Smart Cubic

Key features



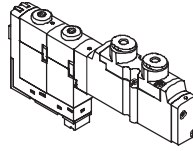
Valves

Sub-base valve



Sub-base valves can be quickly replaced since the pipe connection remains on the sub-base. This design is also particularly flat.

Semi in-line valve (with working lines on the valve)



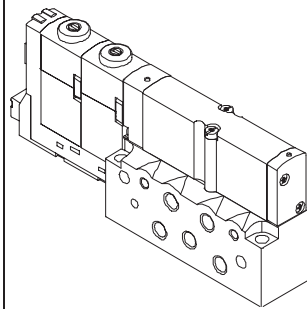
With semi in-line valves the pneumatic connection can be on the top. This means that elbow connectors are not needed.

There are sub-base valves and semi in-line valves with one solenoid coil (single solenoid) or with two solenoid coils (double solenoid) depending on the valve function.

Sub-base

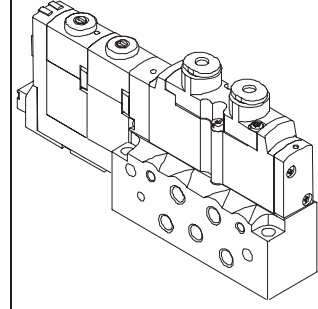
Code A – Working lines (2, 4) on the sub-base

Individual sub-base for sub-base valve



Code P – Working lines (2, 4) on the valve

Individual sub-base for semi in-line valve



-  - Note

Semi in-line valves can also be mounted on sub-bases used with sub-base valves. In this case the corresponding working ports on the sub-base must be sealed using blanking plugs.

Solenoid valves CPASC1/PPSC1, Smart Cubic

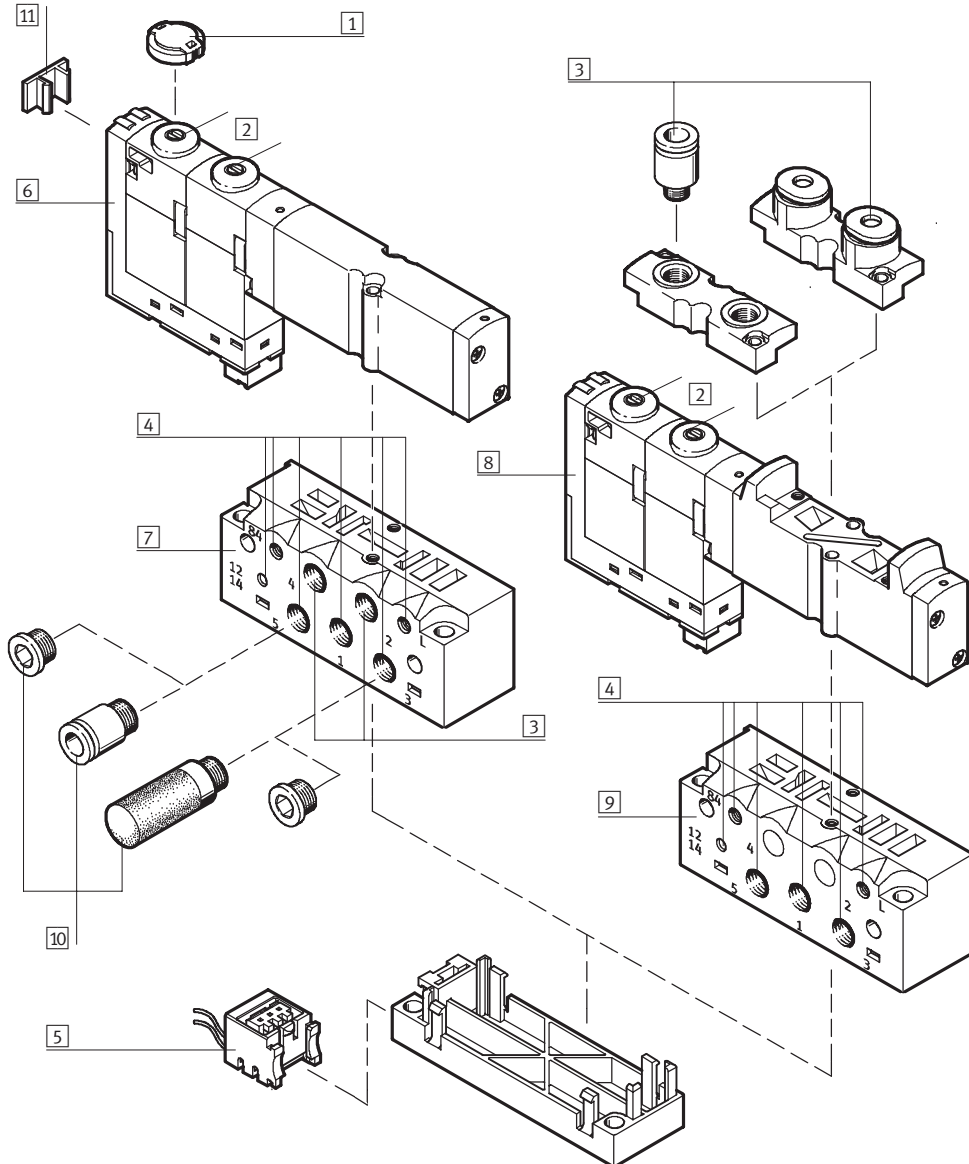
Peripherals overview

Sub-base with electrical individual plug-in (PI) connection

Code: SP, SQ

With an individual PI connection, the connector plug remains on the sub-base when the valve is being replaced.

Sub-base with sub-base valve or semi in-line valve



- | | | | |
|---|---|--|---|
| <ul style="list-style-type: none"> 1 Cover for manual override (optional) 2 Manual override (per solenoid coil, push-in/rotary-detenting) 3 Working lines (2, 4) on the sub-base or on the valve | <ul style="list-style-type: none"> 4 Supply ports (1, 12/14), exhaust ports (3, 5, 82/84) and pressure compensation port (L) on the sub-base 5 Individual plug-in (PI) connection | <ul style="list-style-type: none"> 6 Sub-base valve 7 Sub-base for sub-base valve 8 Semi in-line valve 9 Sub-base for semi in-line valve | <ul style="list-style-type: none"> 10 Connectors, silencers and blanking plugs 11 Inscription label |
|---|---|--|---|

Solenoid valves CPASC1/PPSC1, Smart Cubic

Peripherals overview

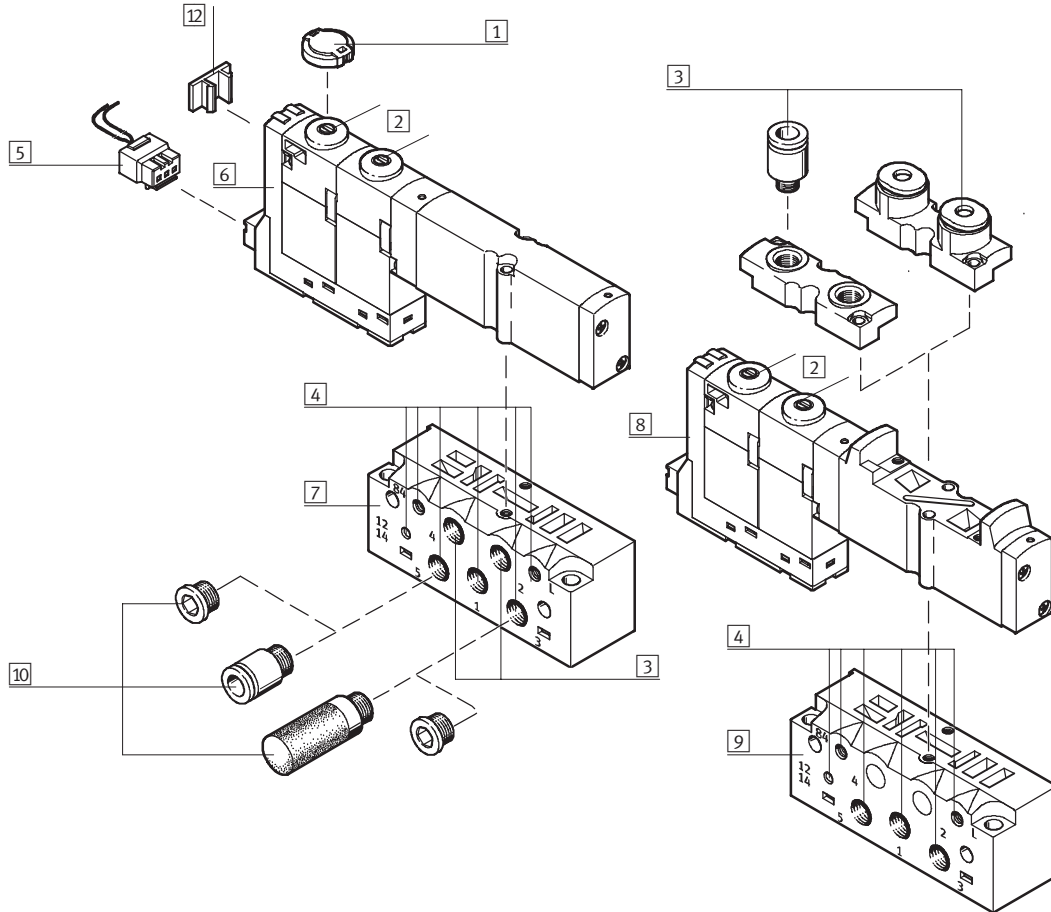


Sub-base with electrical individual horizontal (HC) connection

Code: SH

With an individual HC connection, the electrical connection for the valve must be removed when the valve is being replaced.

Sub-base with sub-base valve or semi in-line valve



- | | | | |
|---|--|--|---|
| <ul style="list-style-type: none"> 1 Cover for manual override (optional) 2 Manual override (per solenoid coil, push-in/rotary-detenting) 3 Working lines (2, 4) on the sub-base or on the valve | <ul style="list-style-type: none"> 4 Supply ports (1, 12/14), exhaust ports (3, 5, 82/84) and pressure compensation port (L) on the sub-base 5 Individual horizontal connection (HC) | <ul style="list-style-type: none"> 6 Sub-base valve 7 Sub-base for sub-base valve 8 Semi in-line valve 9 Sub-base for semi in-line valve | <ul style="list-style-type: none"> 10 Connectors, silencers and blanking plugs 11 Inscription label |
|---|--|--|---|

Solenoid valves CPASC1/PPSC1, Smart Cubic



Key features – Valves

Valves		Code	Circuit symbol	Size 10	Description
	M		■	5/2-way valve, single solenoid Pneumatic spring return	
	J		■	5/2-way valve, double solenoid	
	N		■	2x 3/2-way valve, single solenoid Normally open Pneumatic spring return	
	K		■	2x 3/2-way valve, single solenoid Normally closed Pneumatic spring return	
	B		■	5/3-way valve Mid-position pressurised Spring force return The piston rod of a connected cylinder advances when the valve is in the normal position due to the differential piston areas.	
	G		■	5/3-way valve Mid-position closed Spring force return The piston rod side of a cylinder remains held under pressure in the normal valve position.	
	E		■	5/3-way valve Mid-position exhausted Spring force return In the normal valve position, the piston rod can be moved freely.	

Solenoid valves CPASC1/PPSC1, Smart Cubic

Key features – Valves



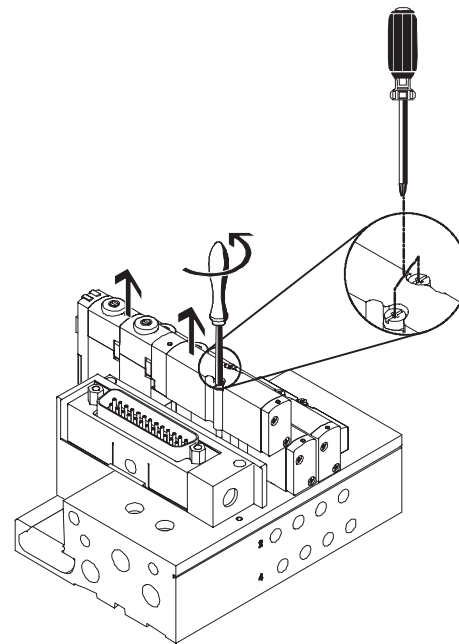
Valves				
	Code	Circuit symbol	Size 10	Description
	I		<p>■</p>	<p>2x 2/2-way valve Normally closed, dual compressed air supply (e.g. for vacuum switching with ejector pulse) Spring force return</p> <ul style="list-style-type: none"> ■ The vacuum is connected at port 5 ■ Port 14 switches the vacuum ■ Port 12 switches the ejector pulse ■ An external T-connection must be established between port 2, 4 and the vacuum generator

Constructional design

Valve replacement

The valves are attached to the metal sub-base using two screws. This means that they can be easily replaced. The mechanical robustness of the sub-base guarantees good long-term sealing tightness.

The valve code (M, J, N, K, B, G, E, X, I) is located on the front of the valve beneath the manual override.



Solenoid valves CPASC1/PPSC1, Smart Cubic

Key features – Valves



Display and operation

Each valve solenoid coil is allocated an LED which indicates its operating status. Inscription labels (type ISB-6x10) can be applied to each valve for labelling purposes.

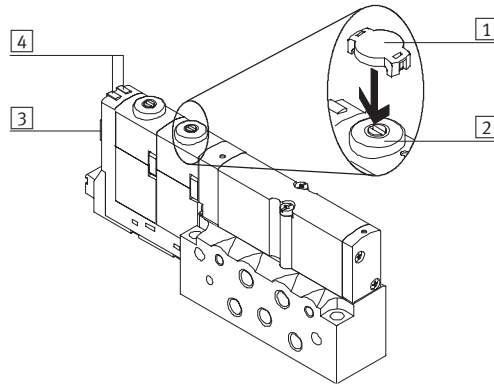
The manual override (MO) allows the valve to be switched when in the electrically non-activated or de-energised status. The valve is switched by pushing the manual override. The set switching status can also be locked by rotating the manual override.

A cover can be fitted over the manual override to prevent it from being activated accidentally (code V).



Note

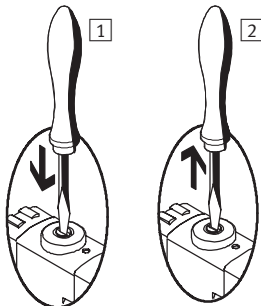
A manually actuated valve (manual override) cannot be reset electrically. Conversely, an electrically actuated valve cannot be reset using the mechanical manual override.



- 1 Cover for manual override (code V or accessory CPASC1-MO-V)
- 2 Optional manual override (pushing and rotating/detenting using a screwdriver)
- 3 Space for valve inscription label type ISB-6x10
- 4 LED signal status display per valve position

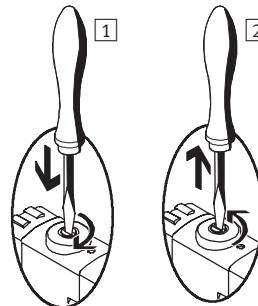
Manual override

Manual override with automatic return (push-in)



- 1 Press in the stem of the manual override with a pointed object or screwdriver.
> Valve is in switching position
- 2 Remove the pointed object or screwdriver.
Spring force pushes the stem of the manual override back.
> Valve returns to initial position (not with double solenoid valve code J)

Manual override with lock (detenting)

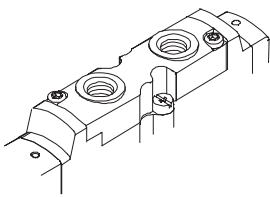
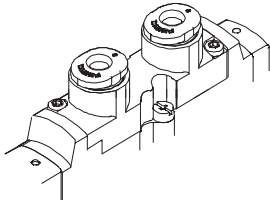


- 1 Press in the stem of the manual override using a screwdriver until the valve switches and then turn the stem clockwise by 90° until the stop is reached.
> Valve remains in switching position
- 2 Turn the stem anti-clockwise by 90° until the stop is reached and then remove the pin or screwdriver.
Spring force pushes the stem of the manual override back.
> Valve returns to initial position (not with double solenoid valve code J)

Solenoid valves CPASC1/PPSC1, Smart Cubic

Key features – Pneumatic connection



Working lines – Semi in-line valves		
	Code	Description
	B	M5 threaded connection
	E	QS-3 push-in fitting
	F	QS-4 push-in fitting

Pneumatic connection

Supply and exhaust

The valve is supplied with compressed air via the sub-base. The sub-base contains ports for the compressed air supply, exhaust and pilot exhaust and in the case of sub-base valves, working lines for the valve.

3.3

Auxiliary pilot air

The solenoid valve CPASC1 is suitable for internal and external auxiliary pilot air.
Diagrams → 2 / 3.3-15

Internal auxiliary pilot air
If supply pressure for the CPA-SC valve is within a range of 3 to 8 bar, it can be operated with internally distributed pilot air. The branch is located in the sub-base.

External auxiliary pilot air
If supply pressure for the CPA-SC valve is within a range of -0.9 ... +10 bar, it must be operated with external pilot air. The auxiliary pilot air is supplied externally via port 12/14 in this case.

Solenoid valves CPASC1/PPSC1, Smart Cubic



Key features – Pneumatic connection

Ports for supply and exhaust						
	Code	Port	Ports for supply and exhaust			
			Designation	Code B Threaded connection M5 Type	Code F Push-in fitting QS4 Type	
	Compressed air supplied via internal auxiliary pilot air, exhausting via silencer					
	S	1	Compressed air/vacuum supply	Push-in fitting	–	QSM-M5-4-I
		3/5	Exhaust	Silencer	–	UC-M5
		12/14	Auxiliary pilot air	–	–	–
		82/84	Exhaust for auxiliary pilot air	Silencer	–	U-M3
		L	Pressure compensation	Silencer	–	U-M3
	Compressed air supplied via external auxiliary pilot air, exhausting via silencer					
	T	1	Compressed air/vacuum supply	Push-in fitting	–	QSM-M5-4-I
		3/5	Exhaust	Silencer	–	UC-M5
		12/14	Auxiliary pilot air	Push-in fitting	–	QSM-M3-3-I
		82/84	Exhaust for auxiliary pilot air	Silencer	–	U-M3
		L	Pressure compensation	Silencer	–	U-M3
	Compressed air supplied via internal auxiliary pilot air, ducted exhaust					
	V	1	Compressed air/vacuum supply	Push-in fitting	–	QSM-M5-4-I
		3/5	Exhaust	Push-in fitting	–	QSM-M5-4-I
		12/14	Auxiliary pilot air	–	–	–
		82/84	Exhaust for auxiliary pilot air	Push-in fitting	–	QSM-M3-3-I
		L	Pressure compensation	Silencer	–	U-M3
	Compressed air supplied via external auxiliary pilot air, ducted exhaust					
	X	1	Compressed air/vacuum supply	Push-in fitting	–	QSM-M5-4-I
3/5		Exhaust	Push-in fitting	–	QSM-M5-4-I	
12/14		Auxiliary pilot air	Push-in fitting	–	QSM-M3-3-I	
82/84		Exhaust for auxiliary pilot air	Push-in fitting	–	QSM-M3-3-I	
L		Pressure compensation	Silencer	–	U-M3	

- Note
 The port L compensates the pressure between moving parts inside the valve and the surrounding environment.
 A silencer protects against contamination.
 The port L must not be sealed using blanking plugs.

Solenoid valves CPASC1/PPSC1, Smart Cubic

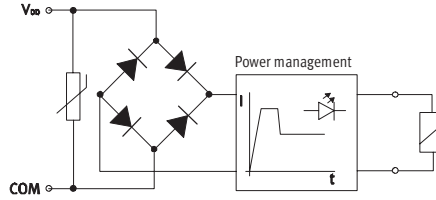
Key features – Electrical connection



Electrical power as a result of current reduction

Each valve solenoid coil is protected with a spark arresting protective circuit as well as against polarity reversal.

All valve types are additionally equipped with integrated current reduction.



Electrical individual connection

With an electrical individual connection, the plug is connected directly to the valve.

Two types of electrical connection can be selected for the sub-base:

- Horizontal connection (HC) or
- Plug-in (PI)

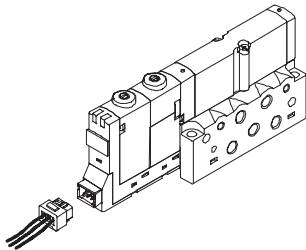


Note

Connecting cables with 2- or 3-wires are available for single solenoid valves with one solenoid coil or double solenoid valves with two solenoid coils.

Horizontal connection (HC)

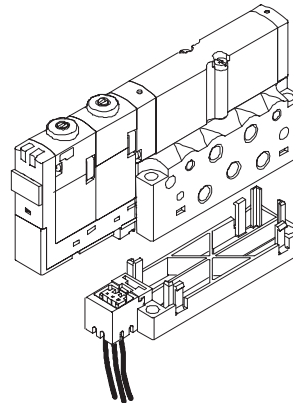
Code SH



With the sub-base, the electrical connection can be plugged in directly on the valve. The horizontal connection (HC) must be removed when replacing the valve.

Plug-in (PI)

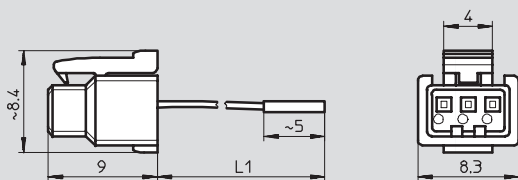
Code SP, SQ



With this electrical connection variant, the connector plug is mounted on an adapter. This adapter is then attached to the sub-base. To replace the valve, all you need do is loosen two screws; the connector plug remains secured to the adapter.

Dimensions – Horizontal connection (HC)

Download CAD data → www.festo.com/en/engineering



Type	Code	L1	Number of valve solenoid coils	Cable colour		
				Pin 1 Common	Pin 2 Solenoid coil 12	Pin 3 Solenoid coil 14
KMH-0,5	CH	500	1 coil	black	–	red
KMH-1	CI	1000	1 coil	black	–	red
KMH-2,5	CJ	2500	1 coil	black	–	red
KMH-5	CK	5000	1 coil	black	–	red
KMH-D-0,5	CD	500	2 coils	black	blue	red
KMH-D-1	CE	1000	2 coils	black	blue	red
KMH-D-2,5	CF	2500	2 coils	black	blue	red
KMH-D-5	CG	5000	2 coils	black	blue	red

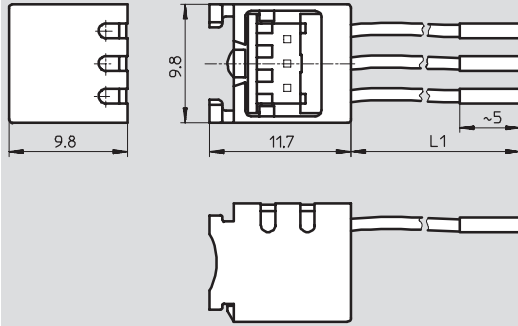
Solenoid valves CPASC1/PPSC1, Smart Cubic

Key features – Electrical connection and mounting



Dimensions – Plug-in (PI)

Download CAD data → www.festo.com/en/engineering

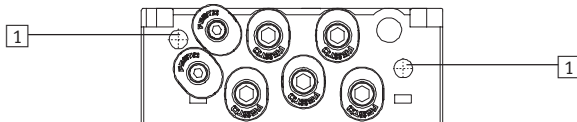


Type	Code	L1	Number of valve solenoid coils	Cable colour		
				Pin 1 Common	Pin 2 Solenoid coil 12	Pin 3 Solenoid coil 14
MHAP-PI	-	500	1 coil	black	-	red
MHAP-PI-1	-	1000	1 coil	black	-	red
MHAP-PI-D-0,5	-	500	2 coils	black	blue	red
MHAP-PI-D-1	-	1000	2 coils	black	blue	red

Mounting

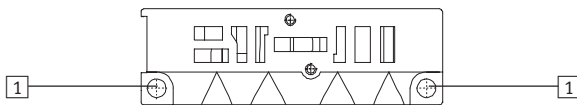
The sub-base is designed for wall mounting for integration into a system or machine.

Wall mounting – Horizontal



1 Mounting holes

Wall mounting – Vertical




1 Mounting holes

Solenoid valves CPASC1/ CPPSC1, Smart Cubic

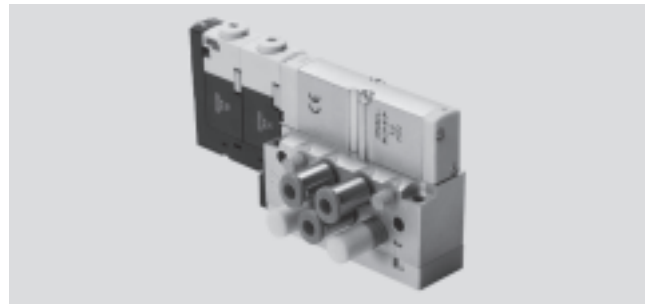
Technical data



-  - Flow rate
150 l/min

-  - Width
10 mm

-  - Voltage
24 V DC



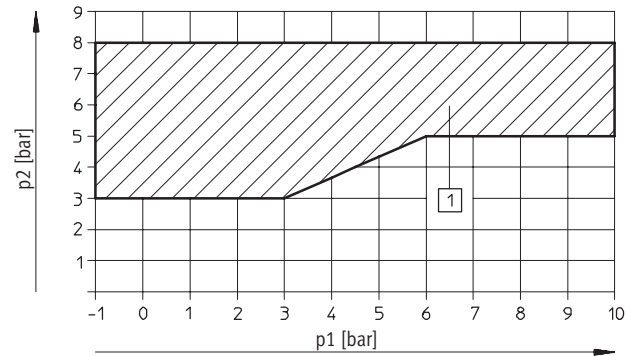
General technical data								
Valve	5/2-way valve		2x 3/2-way valve		5/3-way valve			2x 2/2-way valve
	single solenoid	double solenoid	normal position		mid-position			
Valve function order code	M	J	open	closed	pressurised	closed	exhausted	closed
Constructional design	Electromagnetically actuated piston spool valve							
Width [mm]	10							
Nominal size [mm]	2.5							
Lubrication	Lubrication for life, PWIS-free (free of paint-wetting impairment substances)							
Type of mounting	Wall mounting							
Mounting position	Any							
Manual override	Pushing/detenting-rotary							
Pneumatic connections								
Pneumatic connection	Via individual connections on sub-base							
Supply port	1	M5						
Exhaust port	3/5	M5						
Working lines	2/4	Depending on the connection type selected <ul style="list-style-type: none"> ■ M5 ■ QS-3 ■ QS-4 						
Pilot air port	12/14	M3						
Pilot exhaust air port	82/84	M3						
Pressure compensation port	L	M3						

Solenoid valves CPASC1/PPSC1, Smart Cubic

Technical data

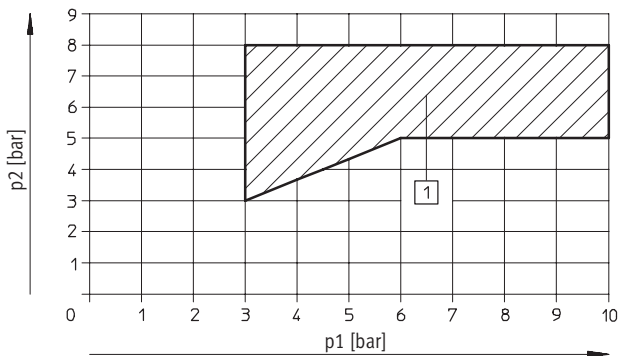
Operating pressure [bar]								
Valve function order code	M	J	N	K	B	G	E	I
Without pilot air supply	+3 ... +8							
With pilot air supply	-0.9 ... +10		+3 ... +10		-0.9 ... +10		+3 ... +10	

Pilot pressure p2 as a function of the working pressure p1 with external auxiliary pilot air
for valve sub-bases with code M, J, B, G, E



1 Operating range for valves with external auxiliary pilot air

for valve sub-bases with code N, K, I



1 Operating range for valves with external auxiliary pilot air

Valve response times [ms]								
Valve function order code	M	J	N	K	B	G	E	I
Response times	on	10	-	10	10	10	10	10
	off	20	-	20	20	25	25	20
	change-over	-	10	-	-	-	-	-

Operating and environmental conditions								
Valve function order code	M	J	N	K	B	G	E	I
Operating medium	Filtered compressed air, lubricated or unlubricated, inert gases							
Grade of filtration [µm]	40 (average pore size)							
Ambient temperature [°C]	0 ... +40							
Storage temperature [°C]	-20 ... +40							
Corrosion resistance class CRC ¹⁾	1							

1) Corrosion resistance class 1 according to Festo standard 940 070
Components requiring low corrosion resistance. Transport and storage protection. Parts that do not have primarily decorative surface requirements, e.g. in internal areas that are not visible or behind covers.

Solenoid valves CPASC1/ CPPSC1, Smart Cubic



Technical data

Electrical data	
Valve function order code	M J N K B G E I
Protection against electric shock (protection against direct and indirect contact to EN 60204-1/IEC 204)	By means of PELV power supply unit
Operating voltage [V]	24 (±10%)
Electrical power consumption [W]	Pull: 1 Hold: 0.3
Duty cycle	100% at 40 °C ambient temperature
Protection class to EN 60 529	IP40 (in assembled state and with detenting plug)
Relative air humidity	90% at 40 °C, non-condensing
Vibration resistance	To DIN/IEC 68/EN 60 068, Parts 2-6, severity level 2
Continuous shock resistance	To DIN/IEC 68/EN 60 068, Parts 2-27, severity level 2

1) The maximum signal line length is 10 m

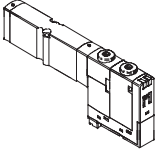
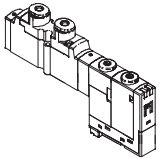
Materials	
Valve function order code	M J N K B G E I
Sub-base	Aluminium
Valve slice	Die-cast aluminium, PPS, ST, PA-GF
Seal	NBR, HNBR, flour rubber

Product weight [g]	approx. weights
Valve function order code	M J N K B G E I
Sub-base	45
Per valve slice	40

Solenoid valves CPASC1/PPSC1, Smart Cubic

Technical data

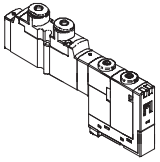


Standard nominal flow rate [l/min]				
	Code	Valve function	Valve	Individual sub-base
	Sub-base valve			
	M	5/2-way valve, single solenoid	220	170
	J	5/2-way valve, double solenoid	220	170
	N	2x 3/2-way valve, normally open	220	170
	K	2x 3/2-way valve, normally closed	180	150
	B	5/3-way valve, mid-position pressurised	220	150
	G	5/3-way valve, mid-position closed	180	150
	E	5/3-way valve, mid-position exhausted	180	150
	I	2x 2/2-way valve	150	140
	Semi in-line valve with working ports M5			
	M	5/2-way valve, single solenoid	200	180
	J	5/2-way valve, double solenoid	200	180
	N	2x 3/2-way valve, normally open	200	180
	K	2x 3/2-way valve, normally closed	150	150
	B	5/3-way valve, mid-position pressurised	180	180
	G	5/3-way valve, mid-position closed	150	150
	E	5/3-way valve, mid-position exhausted	180	170
	I	2x 2/2-way valve	150	150

Solenoid valves CPASC1/PPSC1, Smart Cubic



Technical data

Standard nominal flow rate [l/min]				
	Code	Valve function	Valve	Individual sub-base
	Semi in-line valve with working ports QS-3			
	M	5/2-way valve, single solenoid	140	140
	J	5/2-way valve, double solenoid	140	140
	N	2x 3/2-way valve, normally open	140	140
	K	2x 3/2-way valve, normally closed	130	130
	B	5/3-way valve, mid-position pressurised	140	140
	G	5/3-way valve, mid-position closed	130	130
	E	5/3-way valve, mid-position exhausted	140	140
	I	2x 2/2-way valve	130	130
	Semi in-line valve with working ports QS-4			
M	5/2-way valve, single solenoid	180	170	
J	5/2-way valve, double solenoid	180	170	
N	2x 3/2-way valve, normally open	180	170	
K	2x 3/2-way valve, normally closed	150	150	
B	5/3-way valve, mid-position pressurised	180	170	
G	5/3-way valve, mid-position closed	150	150	
E	5/3-way valve, mid-position exhausted	170	170	
I	2x 2/2-way valve	150	140	

Solenoid valves CPASC1/PPSC1, Smart Cubic

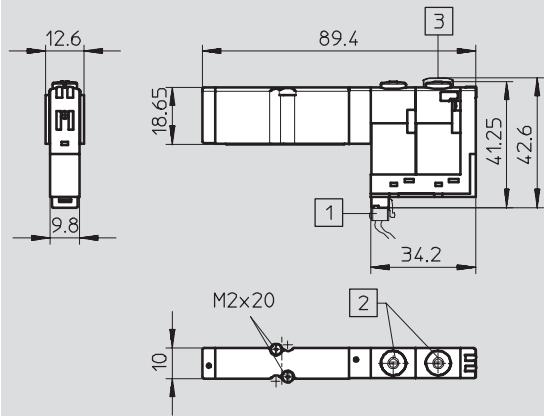
Technical data



Dimensions – Sub-base valve

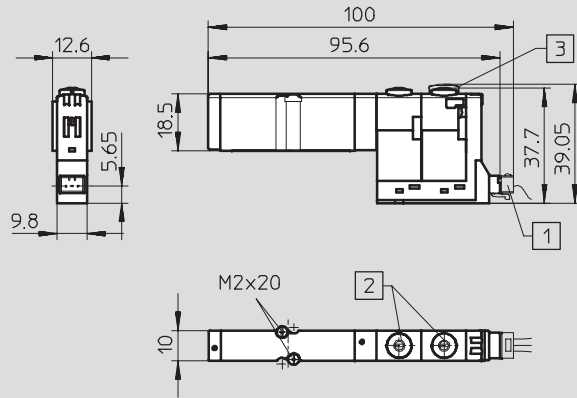
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With individual plug-in (PI) connection



- 1 Individual PI connection
- 2 Manual override (MO)
- 3 Manual override cover

With individual horizontal connection (HC)

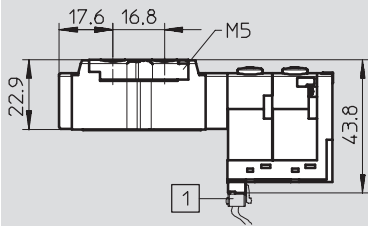


- 1 Individual HC connection
- 2 Manual override (MO)
- 3 Manual override cover

Dimensions – Semi in-line valve with working line M5

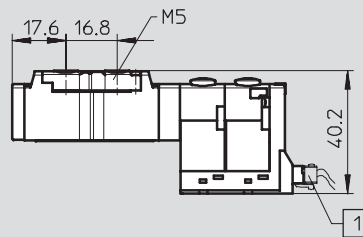
Download CAD data → www.festo.com/en/engineering

With individual plug-in (PI) connection



- 1 Individual PI connection

With individual horizontal connection (HC)

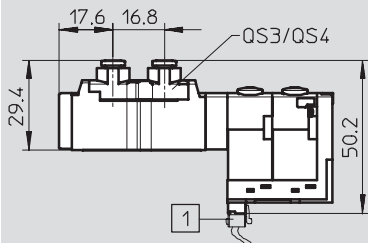


- 1 Individual HC connection

Dimensions – Semi in-line valve with working line QS-3/QS-4

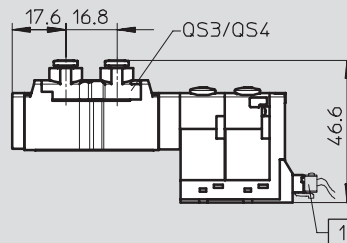
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With individual plug-in (PI) connection



- 1 Individual PI connection

With individual horizontal connection (HC)



- 1 Individual HC connection

Solenoid valves CPASC1/PPSC1, Smart Cubic

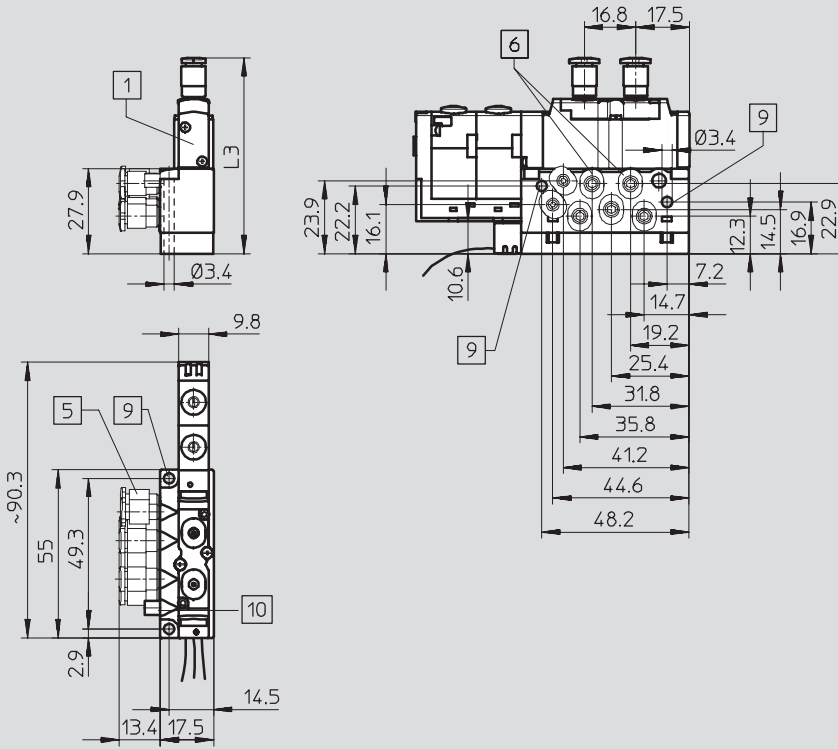
Technical data



Dimensions – Sub-base

Download CAD data → www.festo.com/en/engineering

With individual plug-in (PI) connection



- 1 Semi in-line valve with M5 threaded connection
- 5 Push-in fitting
- 6 Working ports for sub-base valve (not required with semi in-line valve)
- 9 4x mounting holes
- 10 Silencer for exhaust air

Valve type		L3
Semi in-line valve	with working line M5	50.8
	with working line QS-3	57.2
	with working line QS-4	57.2
Sub-base valve		48.3

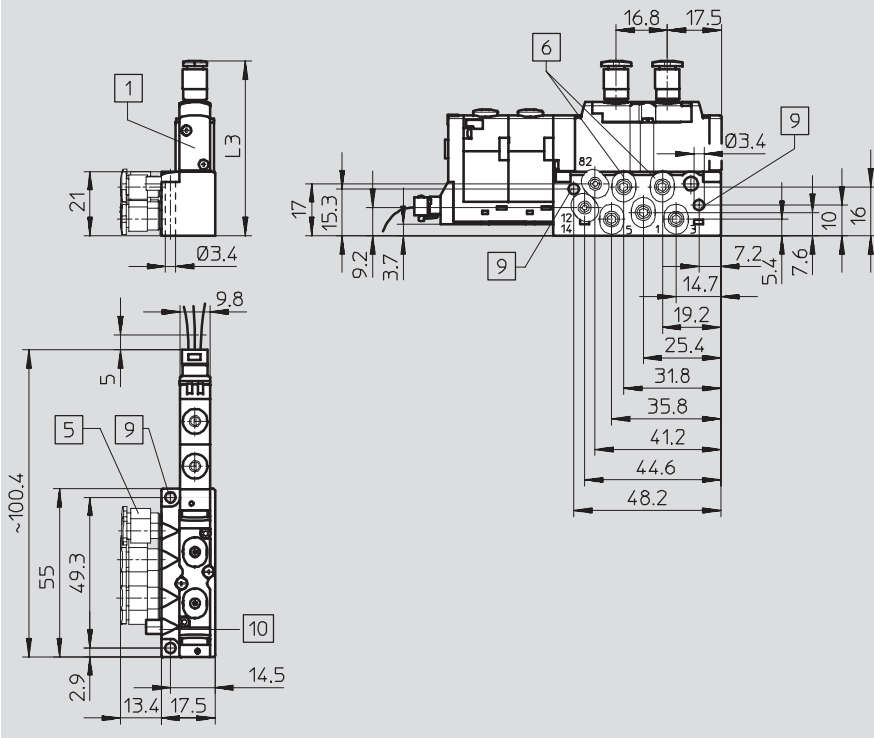
Solenoid valves CPASC1/PPSC1, Smart Cubic

Technical data



Dimensions – Sub-base Download CAD data → www.festo.com/en/engineering

With individual horizontal connection (HC)



- 1 Semi in-line valve with M5 threaded connection
- 5 Push-in fitting
- 6 Working ports for sub-base valve (not required with semi in-line valve)
- 9 4x mounting holes
- 10 Silencer for exhaust air

Valve type	L3
Semi in-line valve	
with working line M5	43.9
with working line QS-3	50.3
with working line QS-4	50.3
Sub-base valve	41.4

Application-optimised directional control valves
Smart Cubic
3.3

Solenoid valves CPASC1/PPSC1, Smart Cubic

Ordering data – Modular products



M Mandatory data →

Module No.	Valve terminal, pneumatic part	Size	Voltage	Electrical connection	Position of working lines	Type of working lines	Manual override	Compressed air supply	Supply side	Pneumatic connection for supply and exhaust
529 045	82P	10	1	SP SQ SH	P A	B E F	N V	S T V X	L	B F
Ordering example										
529 045	82P	- 10	- 1	SP	- P	E	- N	- S	L	B

Ordering table		Conditions	Code	Enter code
Size	10			
M Module No.	529 045			
Valve terminal, pneumatic part	Compact Performance CPA type 82 Smart Cubic with individual connection		82P	82P
Size [mm]	10		-10	-10
Voltage [V DC]	24		-1	-1
Electrical connection	Individual sub-base plug-in, 0.5 m cable		SP	
	Individual sub-base plug-in, 1.0 m cable		SQ	
	Individual sub-base, horizontal connection		SH	
Position of working lines	On the valve		-P	
	On the sub-base		-A	
Type of working lines	Thread M5		B	
	Push-in fittings QS-3		E	
	Push-in fittings QS-4		F	
Manual override	Push-in or detenting		-N	
	Covered		-V	
Compressed air supply	Internal pilot air, venting via silencer		-S	
	External pilot air, venting via silencer		-T	
	Internal pilot air, ducted exhaust air		-V	
	External pilot air, ducted exhaust air		-X	
Supply side	Supply at left		L	L
Pneumatic connection for supply and exhaust	Thread M5		B	
	QS push-in fitting QS-4		F	

Transfer order code

529 045	82P	- 10	- 1		-				L		-
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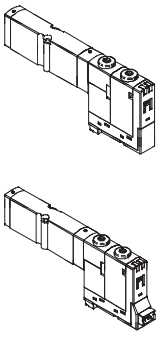
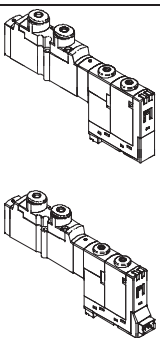

Solenoid valves CPASC1/PPASC1, Smart Cubic

Accessories



Application-optimised directional control valves
Smart Cubic

3.3

Ordering data – Valves						
	Code	Valve function	Electrical plug-in connection		Electrical HC connection	
			Part No.	Type	Part No.	Type
	Sub-base valve					
	M	5/2-way valve, single solenoid	526 990	CPASC1-M1H-M-P-2,5	527 008	CPASC1-M1H-M-H-2,5
	J	5/2-way valve, double solenoid	526 992	CPASC1-M1H-J-P-2,5	527 010	CPASC1-M1H-J-H-2,5
	N	2x 3/2-way valve, normally open	526 994	CPASC1-M1H-N-P-2,5	527 012	CPASC1-M1H-N-H-2,5
	K	2x 3/2-way valve, normally closed	526 996	CPASC1-M1H-K-P-2,5	527 014	CPASC1-M1H-K-H-2,5
	B	5/3-way valve, mid-position pressurised	526 998	CPASC1-M1H-B-P-2,5	527 016	CPASC1-M1H-B-H-2,5
	G	5/3-way valve, mid-position closed	527 000	CPASC1-M1H-G-P-2,5	527 018	CPASC1-M1H-G-H-2,5
	E	5/3-way valve, mid-position exhausted	527 002	CPASC1-M1H-E-P-2,5	527 020	CPASC1-M1H-E-H-2,5
	I	2x 2/2-way valve	527 006	CPASC1-M1H-I-P-2,5	527 024	CPASC1-M1H-I-H-2,5
	Semi in-line valve with M5 working ports					
	M	5/2-way valve, single solenoid	527 294	CPPSC1-M1H-M-P-M5	527 303	CPPSC1-M1H-M-H-M5
	J	5/2-way valve, double solenoid	527 295	CPPSC1-M1H-J-P-M5	527 304	CPPSC1-M1H-J-H-M5
	N	2x 3/2-way valve, normally open	527 296	CPPSC1-M1H-N-P-M5	527 305	CPPSC1-M1H-N-H-M5
	K	2x 3/2-way valve, normally closed	527 297	CPPSC1-M1H-K-P-M5	527 306	CPPSC1-M1H-K-H-M5
	B	5/3-way valve, mid-position pressurised	527 298	CPPSC1-M1H-B-P-M5	527 307	CPPSC1-M1H-B-H-M5
	G	5/3-way valve, mid-position closed	527 299	CPPSC1-M1H-G-P-M5	527 308	CPPSC1-M1H-G-H-M5
	E	5/3-way valve, mid-position exhausted	527 300	CPPSC1-M1H-E-P-M5	527 309	CPPSC1-M1H-E-H-M5
	I	2x 2/2-way valve	527 302	CPPSC1-M1H-I-P-M5	527 311	CPPSC1-M1H-I-H-M5
	Semi in-line valve with QS-3 working ports					
	M	5/2-way valve, single solenoid	527 330	CPPSC1-M1H-M-P-Q3	527 339	CPPSC1-M1H-M-H-Q3
	J	5/2-way valve, double solenoid	527 331	CPPSC1-M1H-J-P-Q3	527 340	CPPSC1-M1H-J-H-Q3
	N	2x 3/2-way valve, normally open	527 332	CPPSC1-M1H-N-P-Q3	527 341	CPPSC1-M1H-N-H-Q3
	K	2x 3/2-way valve, normally closed	527 333	CPPSC1-M1H-K-P-Q3	527 342	CPPSC1-M1H-K-H-Q3
	B	5/3-way valve, mid-position pressurised	527 334	CPPSC1-M1H-B-P-Q3	527 343	CPPSC1-M1H-B-H-Q3
	G	5/3-way valve, mid-position closed	527 335	CPPSC1-M1H-G-P-Q3	527 344	CPPSC1-M1H-G-H-Q3
	E	5/3-way valve, mid-position exhausted	527 336	CPPSC1-M1H-E-P-Q3	527 345	CPPSC1-M1H-E-H-Q3
	I	2x 2/2-way valve	527 338	CPPSC1-M1H-I-P-Q3	527 347	CPPSC1-M1H-I-H-Q3

Solenoid valves CPASC1/ CPPSC1, Smart Cubic

Accessories



Ordering data – Valves						
	Code	Valve function	Electrical plug-in connection		Electrical HC connection	
			Part No.	Type	Part No.	Type
	Semi in-line valve with QS-4 working ports					
	M	5/2-way valve, single solenoid	527 312	CPPSC1-M1H-M-P-Q4	527 321	CPPSC1-M1H-M-H-Q4
	J	5/2-way valve, double solenoid	527 313	CPPSC1-M1H-J-P-Q4	527 322	CPPSC1-M1H-J-H-Q4
	N	2x 3/2-way valve, normally open	527 314	CPPSC1-M1H-N-P-Q4	527 323	CPPSC1-M1H-N-H-Q4
	K	2x 3/2-way valve, normally closed	527 315	CPPSC1-M1H-K-P-Q4	527 324	CPPSC1-M1H-K-H-Q4
	B	5/3-way valve, mid-position pressurised	527 316	CPPSC1-M1H-B-P-Q4	527 325	CPPSC1-M1H-B-H-Q4
	G	5/3-way valve, mid-position closed	527 317	CPPSC1-M1H-G-P-Q4	527 326	CPPSC1-M1H-G-H-Q4
	E	5/3-way valve, mid-position exhausted	527 318	CPPSC1-M1H-E-P-Q4	527 327	CPPSC1-M1H-E-H-Q4
	I	2x 2/2-way valve	527 320	CPPSC1-M1H-I-P-Q4	527 329	CPPSC1-M1H-I-H-Q4



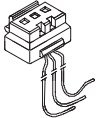
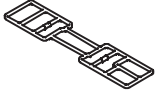
Solenoid valves CPASC1/PPSC1, Smart Cubic



Accessories

Application-optimised directional control valves
Smart Cubic



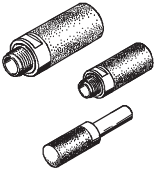


3.3

Ordering data – Accessories					
Designation		Part No.	Type		
Inscription labels					
	6x10 in frames, 64 pieces for valve identification	18 576	IBS-6x10		
	80 pieces for sub-base identification	197 259	MH-BZ-80x		
Plug socket with cable for plug-in connection					
	For 1 coil	0.5 m	197 260	MHAP-PI	
		1 m	532 182	MHAP-PI-1	
	For 2 coils	0.5 m	529 116	MHAP-PI-D-0,5	
		1 m	527 395	MHAP-PI-D-1	
Plug socket with cable for HC connection					
	For 1 coil, 2-wire	0.5 m	197 263	KMH-0,5	
		1 m	197 264	KMH-1	
		2.5 m	527 400	KMH-2,5	
		5 m	527 401	KMH-5	
	For 2 coils, 3-wire	0.5 m	527 396	KMH-D-0,5	
		1 m	527 397	KMH-D-1	
		2.5 m	527 398	KMH-D-2,5	
		5 m	527 399	KMH-D-5	
Cover					
	Cover for manual override	527 393	CPASC1-MO-V		
Valve seal					
	For sub-base	527 394	CPASC1-SEAL-A		

Solenoid valves CPASC1/PPSC1, Smart Cubic

Accessories



Ordering data – Accessories				
Designation			Part No.	Type
Push-in fitting for working ports				
	Connecting thread M5 for tubing O.D.	3 mm	153 313	QSM-M5-3-I
		4 mm	153 315	QSM-M5-4-I
Push-in fitting for sub-base				
	Connecting thread M3 for tubing O.D.	3 mm	153 312	QSM-M3-3-I
		4 mm	153 314	QSM-M3-4-I
	Connecting thread M5 for tubing O.D.	3 mm	153 313	QSM-M5-3-I
		4 mm	153 315	QSM-M5-4-I
		6 mm	153 317	QSM-M5-6-I
Silencer				
	Connecting thread	M3	163 978	U-M3
		M5	4 645	U-M5
		M5	165 003	UC-M5
	Push-in sleeve connection type	3 mm	165 005	UC-QS-3H
		4 mm	165 006	UC-QS-4H
		6 mm	165 007	UC-QS-6H
Blanking plug				
	Thread M5		174 308	B-M5-B
Plug				
	Blanking plug for tubing O.D.	3 mm	153 382	QSMC-3H
		4 mm	153 267	QSC-4H
		6 mm	153 268	QSC-6H