

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

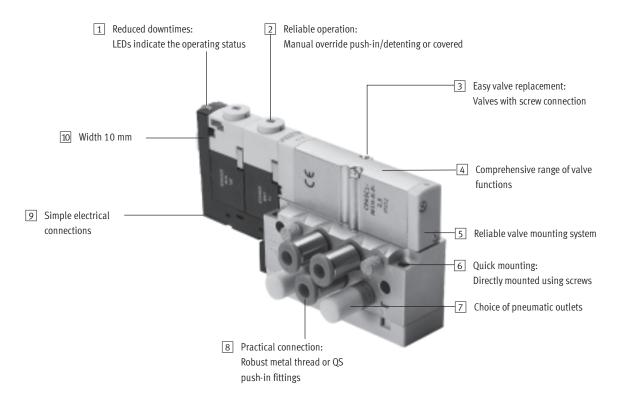
Reliable

- Manual override
- Durable thanks to the use of triedand-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/CPPSC1, Smart Cubic



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

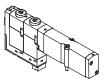
- Plug-in (PI)
- Horizontal connector (HC)

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Key features

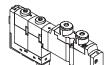
Valves

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 s	sub-base	Code P – Working lines (2, 4) on the v	alve
Individual sub-base for sub-base valve		Individual sub-base for semi in-line valve	



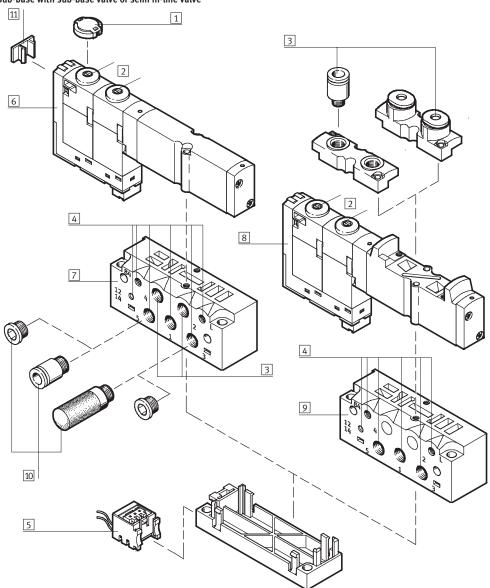
Note

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.

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



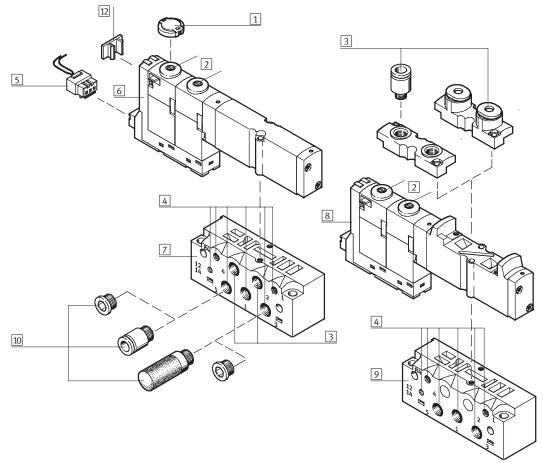
- 1 Cover for manual override (optional)
- 2 Manual override (per solenoid coil, push-in/rotary-detenting)
- Working lines (2, 4) on the sub-base or on the valve
- 4 Supply ports (1, 12/14), exhaust ports (3, 5, 82/84) and pressure compensation port (L) on the sub-base
- 5 Individual plug-in (PI) connection
- 6 Sub-base valve
- 7 Sub-base for sub-base valve
- 8 Semi in-line valve
- 9 Sub-base for semi in-line valve
- Connectors, silencers and blanking plugs
- 11 Inscription label

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



- 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
- 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)
- 6 Sub-base valve
- 7 Sub-base for sub-base valve
- Semi in-line valve
- 9 Sub-base for semi in-line valve
- 10 Connectors, silencers and blanking plugs
- 11 Inscription label

Solenoid valves CPASC1/CPPSC1, Smart CubicKey features – Valves



Valves				
	Code	Circuit symbol	Size 10	Description
	M	4 2 14 84 5 1 3	-	5/2-way valve, single solenoid Pneumatic spring return
	J	14 2 12 14/12 84/82 5 1 3	•	5/2-way valve, double solenoid
	N	10 14 15 82/84 3		2x 3/2-way valve, single solenoid Normally open Pneumatic spring return
	K	12/14 1 5 82/84 3		2x 3/2-way valve, single solenoid Normally closed Pneumatic spring return
	В	14 W 12 W 12 82/84 5 1 3 12/14	•	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	14 W 12 W 12 82/84 5 1 3 12/14	•	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	14 W 12 82/84 5 1 3 12/14	•	5/3-way valve Mid-position exhausted Spring force return In the normal valve position, the piston rod can be moved freely.

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Key features – Valves

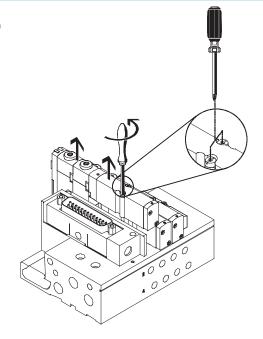
Valves				
	Code	Circuit symbol	Size 10	Description
		12/14 5 82/84 1	•	2x 2/2-way valve Normally closed, dual compressed air supply (e.g. for vacuum switching with ejector pulse) Spring force return • The vacuum is connected at port 5 • Port 14 switches the vacuum • Port 12 switches the ejector pulse • 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.



Key features - Valves



Display and operation

Each valve solenoid coil is allocated an LED which indicates its operating status. Inscription labels (type IBS-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.

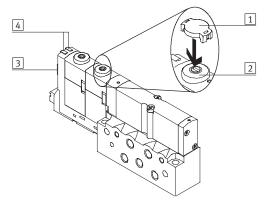
A cover can be fitted over the manual override to prevent it from being activated accidentally (code V).



Note

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

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- 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

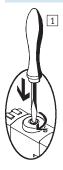
Manual override with automatic return (push-in)





- 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

 Valve returns to initial position (not with double solenoid valve code J)

Key features – Pneumatic connection



Working lines – Semi in-line valves		
	Code	Description
	В	M5 threaded connection
	Е	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.

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/CPPSC1, Smart Cubic Key features – Pneumatic connection



Code B Threaded connection M5 Compressed air supplied via internal auxiliary pilot air, exhausting via silencer S 1 Compressed air/vacuum supply Push-in fitting - QSM-M5-4-1 12/14 Auxiliary pilot air Silencer - U-M3 Compressed air supplied via external auxiliary pilot air, exhausting via silencer T 1 Compressed air/vacuum supply Push-in fitting - QSM-M5-4-1 3/5 Exhaust for auxiliary pilot air Silencer - U-M3 Compressed air supplied via external auxiliary pilot air, exhausting via silencer T 1 Compressed air/vacuum supply Push-in fitting - QSM-M5-4-1 3/5 Exhaust Silencer - U-M5 12/14 Auxiliary pilot air Push-in fitting - QSM-M3-3-1 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-M5-4-1 3/5 Exhaust Push-in fitting - QSM-M3-3-1 L Pressure compensation Silencer - U-M3							Ports for supply and exhaus				
Compressed air supplied via internal auxiliary pilot air, exhausting via silencer S			aust	Ports for supply and exha		ode Port					
Compressed air supplied via internal auxiliary pilot air, exhausting via silencer S		Code F	Code B								
Compressed air supplied via internal auxiliary pilot air, exhausting via silencer S	QS4	Push-in fitting QS	Threaded connection								
Compressed air supplied via internal auxiliary pilot air, exhausting via silencer S			M5								
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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											
12/14 Auxiliary pilot air – – – S2/84 Exhaust for auxiliary pilot air Push-in fitting – QSM-M3-3-I		QSM-M5-4-I	-	Push-in fitting	Compressed air/vacuum supply	1					
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		-	-	-	Auxiliary pilot air	12/14					
L Pressure compensation Silencer – U-M3		QSM-M3-3-I	-	Push-in fitting	Exhaust for auxiliary pilot air	82/84					
		U-M3	-	Silencer	Pressure compensation	L					
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3/5 Exhaust Push-in fitting – QSM-M5-4-I		QSM-M5-4-I	-	Push-in fitting		3/5					
12/14 Auxiliary pilot air Push-in fitting – QSM-M3-3-I		QSM-M3-3-I	-	Push-in fitting	Auxiliary pilot air	12/14					
82/84 Exhaust for auxiliary pilot air Push-in fitting – QSM-M3-3-I		QSM-M3-3-I	-	Push-in fitting	Exhaust for auxiliary pilot air	82/84					
L Pressure compensation Silencer – U-M3		U-M3	-	Silencer	Pressure compensation	L					



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.

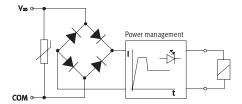
Key features - Electrical connection

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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:

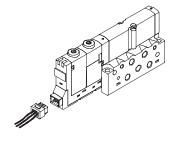
- Horizontal connection (HC) or
- Plug-in (PI)



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)

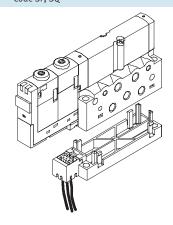
Code SH



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.

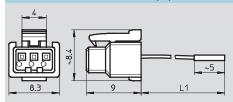
Plug-in (PI) Code SP, SQ



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.

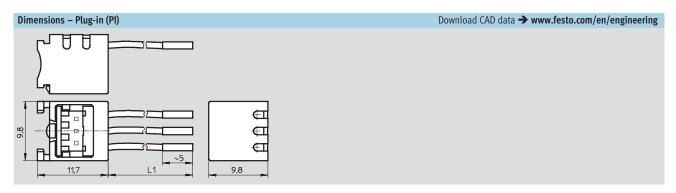
Download CAD data → www.festo.com/en/engineering

Dimensions - Horizontal connection (HC)



Туре	Code	L1	Number of valve solenoid	Cable colour		
			coils	Pin 1	Pin 2	Pin 3
				Common	Solenoid coil 12	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/CPPSC1, Smart CubicKey features – Electrical connection and mounting

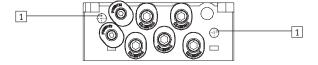


Туре	Code	L1	Number of valve solenoid	Cable colour		
			coils	Pin 1	Pin 2	Pin 3
				Common	Solenoid coil 12	Solenoid coil 14
MHAP-PI	-	500	1 coil	black	-	red
MHAP-PI-1	-	1000	1 coil	black	-	red
MHAP-PI-D-0,5	-	500	2 coils	black	blue	red
MHAP-PI-D-1	-	1000	2 coils	black	blue	red

Mounting

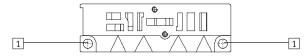
The sub-base is designed for wall mounting for integration into a system or machine.

Wall mounting - Horizontal



1 Mounting holes

Wall mounting - Vertical



1 Mounting holes

Solenoid valves CPASC1/CPPSC1, Smart Cubic Technical data

- N - Flow rate 150 l/min

- **[]** - Width 10 mm

- **** - Voltage 24 V DC



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General technical data										
Valve		5/2-way valve		2x 3/2-way v	2x 3/2-way valve		5/3-way valve			
		single	single double normal position		mid-position	mid-position				
		solenoid	solenoid	open	closed	pressurised	closed	exhausted	closed	
Valve function order code		М	J	N	K	В	G	E	I	
Constructional design		Electromagnet	ically actuated	piston spool v	alve					
Width	[mm]	10	10							
Nominal size	[mm]	2.5	2.5							
Lubrication		Lubrication for	ubrication 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 o	n sub-base						
Supply port	1	M5								
Exhaust port	3/5	M5								
Working lines	2/4	Depending on	the connection	type selected						
		• M5								
		• QS-3								
		• QS-4								
Pilot air port	12/14	M3								
Pilot exhaust air port	82/84	M3								
Pressure compensation port	L	M3								

2 / 3.3-14

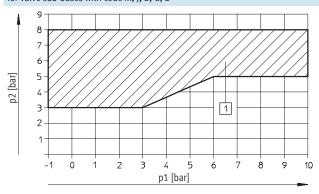
Technical data



Operating pressure [bar]								
Valve function order code	M	J	N	K	В	G	E	1
Without pilot air supply	+3 +8							
With pilot air supply	-0.9 +10		+3 +10		-0.9 +10			+3 +10

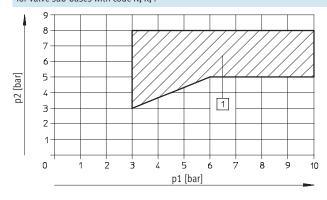
Pilot pressure p2 as a function of the working pressure p1 with external auxiliary pilot air

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	В	G	Е	1
Response times	on	10	-	10	10	10	10	10	10
	off	20	-	20	20	25	25	25	20
	change-	-	10	-	-	-	-	-	_
	over								

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

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Electrical data									
Valve function order code	M	J	N	K	В	G	E	I	
Protection against electric shock	By means of PELV power supply unit								
(protection against direct and indirect									
contact to EN 60204-1/IEC 204)									
Operating voltage [V]	24 (±10%)								
Electrical power [W]	Pull: 1								
consumption Hold: 0.3									
Duty cycle	100% at 40 °C a	ambient temper	ature						
Protection class to EN 60 529	IP40 (in assemb	oled state and w	ith detenting plu	ıg)					
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/E	N 60 068, Parts	2-27, severity l	evel 2					

1) The maximum signal line length is 10 m

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

Product weight [g]	approx. weight	pprox. weights								
Valve function order code	M	J	N	K	В	G	Е	I		
Sub-base	45	5								
Per valve slice	40									

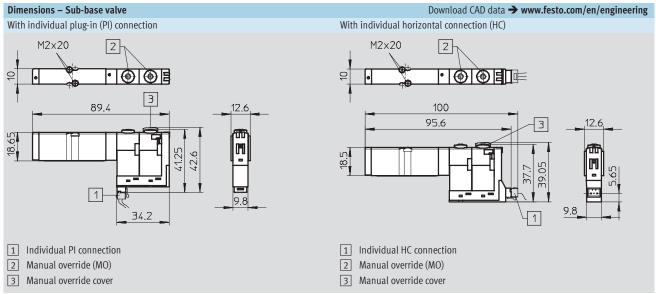
Solenoid valves CPASC1/CPPSC1, Smart Cubic Technical data

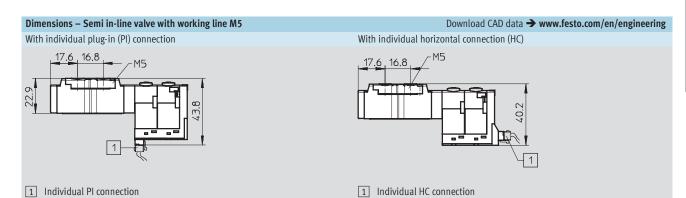
Standard nominal flo	ow rate [l	/min]								
	Code	Valve function	Valve	Individual sub-base						
R	Sub-ba	ise valve								
	M	5/2-way valve,	220	170						
		single solenoid								
	J	5/2-way valve,	220	170						
		double solenoid								
*	N	2x 3/2-way valve,	220	170						
		normally open								
	K	2x 3/2-way valve,	180	150						
		normally closed								
	В	5/3-way valve,	220	150						
		mid-position pressurised	100	150						
	G	5/3-way valve,	180	150						
	-	mid-position closed	400	450						
	E	5/3-way valve,	180	150						
		mid-position exhausted 2x 2/2-way valve	150	140						
	1'	2x 2/2-way valve	150	140						
	Semi i	ni in-line valve with working ports M5								
	M	5/2-way valve,	200	180						
		single solenoid								
	J	5/2-way valve,	200	180						
		double solenoid								
	N	2x 3/2-way valve,	200	180						
		normally open								
	K	2x 3/2-way valve,	150	150						
		normally closed								
	В	5/3-way valve,	180	180						
		mid-position pressurised								
	G	5/3-way valve,	150	150						
		mid-position closed								
	E	5/3-way valve,	180	170						
		mid-position exhausted								
	I	2x 2/2-way valve	150	150						

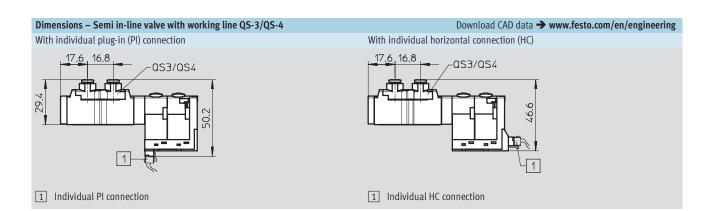
Solenoid valves CPASC1/CPPSC1, Smart Cubic Technical data

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tandard nominal flo	ow rate [l	/min]										
	Code	Valve function	Valve	Individual sub-base								
<u> </u>	Semi i	n-line valve with working ports Q	S-3									
	M	5/2-way valve,	140	140								
		single solenoid										
	J	5/2-way valve,	140	140								
		double solenoid										
V	N	2x 3/2-way valve,	140	140								
		normally open										
	K	2x 3/2-way valve,	130	130								
		normally closed										
	В	5/3-way valve,	140	140								
		mid-position pressurised										
	G	5/3-way valve,	130	130								
		mid-position closed										
	E	5/3-way valve,	140	140								
		mid-position exhausted										
	1	2x 2/2-way valve	130	130								
	Semi in-line valve with working ports QS-4											
	M	5/2-way valve,	180	170								
		single solenoid										
	J	5/2-way valve,	180	170								
		double solenoid										
	N	2x 3/2-way valve,	180	170								
		normally open										
	K	2x 3/2-way valve,	150	150								
		normally closed										
	В	5/3-way valve,	180	170								
		mid-position pressurised										
	G	5/3-way valve,	150	150								
		mid-position closed										
	E	5/3-way valve,	170	170								
		mid-position exhausted										
	I	2x 2/2-way valve	150	140								

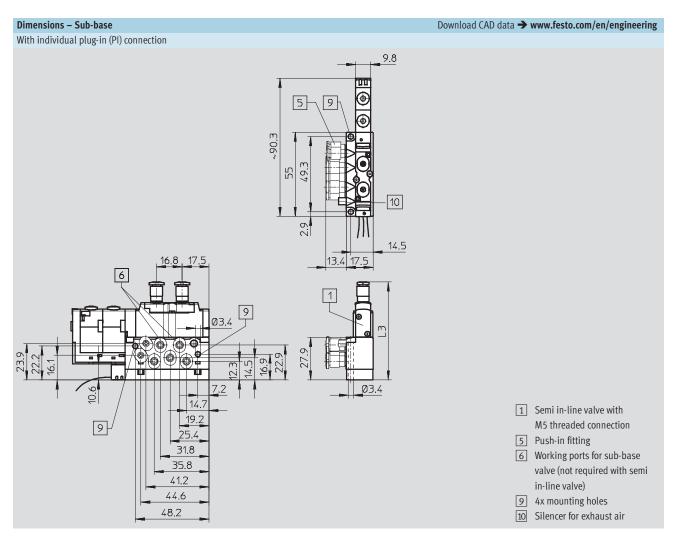




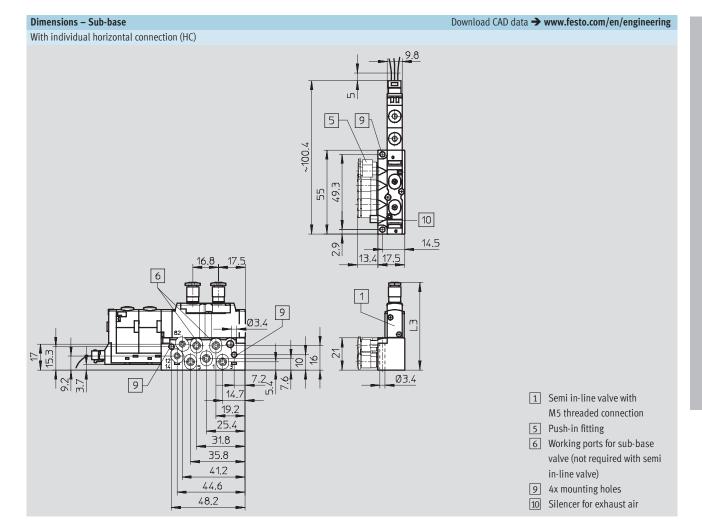


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Technical data



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



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

Solenoid valves CPASC1/CPPSC1, Smart Cubic Ordering data – Modular products

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M Mandatory	data										→
Module No.	Valve terminal, pneumatic part	Size	Volt- age	Electrical connec- tion	Position of working lines	Type of working lines	Manual over- ride	Com- pressed 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	
Ordering example 529 045	82P -	- 10 -	1	SP -	. P	E -	- N -	S	L	В] -

Ordering table					
Size		10	Condi- tions	Code	Enter code
Module No.		529 045			
Valve terminal, pneum	natic 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 lin	nes	On the valve		-P	
		On the sub-base		-A	
Type of working lines		Thread M5		В	
		Push-in fittings QS-3		E	
		Push-in fittings QS-4		F	
Manual override		Push-in or detenting		-N	
		Covered		-V	
Compressed air supply	у	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	n for supply and	Thread M5		В	
exhaust		QS push-in fitting QS-4		F	

Transfer order code

529 045	82P	-	10	-	1		-		-	-	L	1 –
		,		J		l	ı	1	,	J		 1

Solenoid valves CPASC1/CPPSC1, Smart Cubic Ordering data – Modular products

ı	Ontions	

FESTO

M Mandatory data			O Options
Equipment for valve posit	ions	١	Accessories
4.7			
M, J, N, K, B, G, E, I			Н
			CD
			CE
			CF
			CG
			CH
			CI
			CJ
			CK
Valve position			
0			
- M		+	1CD

Or	dering table					
Si	ze		10	Condi-	Code	Enter
				tions		code
Ψ	Equipment for valve position	S			-	-
M	Valves		5/2-way valve, single solenoid		M	Enter
			5/2-way valve, double solenoid		J	equip-
			2x 3/2-way valve, normally open		N	ment
			2x 3/2-way valve, normally closed		K	selection
			5/3-way valve, mid-position pressurised		В	for valve
			5/3-way valve, mid-position closed		G	positions
			5/3-way valve, mid-position exhausted		E	in order
			2x 2/2-way valve, 1x normally open, 1x closed		I	code
0	Accessories				+	+
	HC connecting cable, 2 coils	0.5 m	1 99 (KMH-0,5)	1	CD	
		1 m	1 99 (KMH-1)	1	CE	
		2.5 m	1 99 (KMH-2,5)	1	CF	
		5 m	1 99 (KMH-5)	1	CG	
	HC connecting cable, 1 coil	0.5 m	1 99 (KMH-D-0,5)	1	CH	
		1 m	1 99 (KMH-D-1)	1	CI	
		2.5	1 99 (KMH-D-2,5)	1	CJ	
		5 m	1 99 (KMH-D-5)	1	CK	

1 CD, CE, CF, CG, CH, CI, CJ, CK

Only with electrical connection SH

Transfer order code



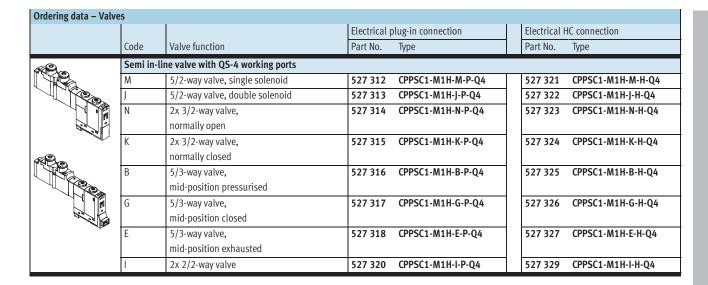
Solenoid valves CPASC1/CPPSC1, Smart Cubic Accessories

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Ordering data – Valv	/es							
			Electrical plug-in connection		Electrical H	Electrical HC connection		
	Code	Valve function	Part No.	Туре	Part No.	Туре		
R.	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,	526 994	CPASC1-M1H-N-P-2,5	527 012	CPASC1-M1H-N-H-2,5		
		normally open						
	K	2x 3/2-way valve,	526 996	CPASC1-M1H-K-P-2,5	527 014	CPASC1-M1H-K-H-2,5		
		normally closed						
	В	5/3-way valve,	526 998	CPASC1-M1H-B-P-2,5	527 016	CPASC1-M1H-B-H-2,5		
		mid-position pressurised						
	G	5/3-way valve,	527 000	CPASC1-M1H-G-P-2,5	527 018	CPASC1-M1H-G-H-2,5		
		mid-position closed						
	E	5/3-way valve,	527 002	CPASC1-M1H-E-P-2,5	527 020	CPASC1-M1H-E-H-2,5		
		mid-position exhausted						
	I	2x 2/2-way valve	527 006	CPASC1-M1H-I-P-2,5	527 024	CPASC1-M1H-I-H-2,5		
MP.		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,	527 296	CPPSC1-M1H-N-P-M5	527 305	CPPSC1-M1H-N-H-M5		
		normally open						
	K	2x 3/2-way valve,	527 297	CPPSC1-M1H-K-P-M5	527 306	CPPSC1-M1H-K-H-M5		
		normally closed						
	В	5/3-way valve,	527 298	CPPSC1-M1H-B-P-M5	527 307	CPPSC1-M1H-B-H-M5		
		mid-position pressurised						
	G	5/3-way valve,	527 299	CPPSC1-M1H-G-P-M5	527 308	CPPSC1-M1H-G-H-M5		
		mid-position closed						
	E	5/3-way valve,	527 300	CPPSC1-M1H-E-P-M5	527 309	CPPSC1-M1H-E-H-M5		
		mid-position exhausted						
	I	2x 2/2-way valve	527 302	CPPSC1-M1H-I-P-M5	527 311	CPPSC1-M1H-I-H-M5		
		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,	527 332	CPPSC1-M1H-N-P-Q3	527 341	CPPSC1-M1H-N-H-Q3		
		normally open			↓ 			
	K	2x 3/2-way valve,	527 333	CPPSC1-M1H-K-P-Q3	527 342	CPPSC1-M1H-K-H-Q3		
		normally closed						
	В	5/3-way valve,	527 334	CPPSC1-M1H-B-P-Q3	527 343	CPPSC1-M1H-B-H-Q3		
		mid-position pressurised						
	G	5/3-way valve,	527 335	CPPSC1-M1H-G-P-Q3	527 344	CPPSC1-M1H-G-H-Q3		
		mid-position closed						
	E	5/3-way valve,	527 336	CPPSC1-M1H-E-P-Q3	527 345	CPPSC1-M1H-E-H-Q3		
		mid-position exhausted			J L			
	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

Accessorie



Solenoid valves CPASC1/CPPSC1, Smart Cubic Accessories

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Ordering data -	Accessories			
Designation		Part No.	Туре	
Inscription label	ls			
	6x10 in frames, 64 pieces for valve iden	6x10 in frames, 64 pieces for valve identification		
	80 pieces for sub-base identification	80 pieces for sub-base identification		
			I	
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
A A A	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			
10 to	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
<u> </u>		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
	≫			
	7			

Solenoid valves CPASC1/CPPSC1, Smart Cubic Accessories

Ordering data -	Accessories			
Designation		Part No.	Туре	
Push-in fitting f	or 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 f	or sub-base			
T usir in income ion	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
Dianking plus				
Blanking plug	Thread M5		174 308	B-M5-B
	Tilleau Mo		174 306	о-сиг-о
	•		,	
Plug				
	Blanking plug for tubing O.D.	3 mm	153 382	QSMC-3H
		4 mm	153 267	QSC-4H
3		6 mm	153 268	QSC-6H