

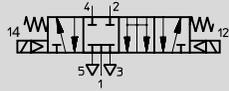
# Solenoid Actuated Valves

5/4 - 5 Ported, 4 Way, 4 Position Valves, Piloted, G 1/4

**FESTO**

## Double Solenoid Valve

Spring Centered with Socket  
Type MC-5/4-1/4



Zero Position 1, 2, 3, 4, 5 blocked.

Simultaneous electrical actuation of solenoids: 1, 2, 3, 4, 5 connected.

### Accessories: (Ordered separately)

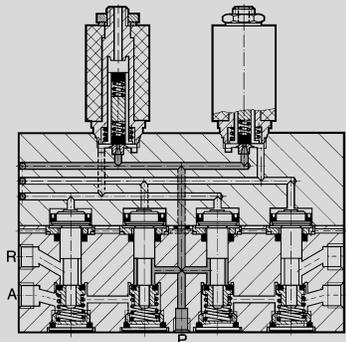
Solenoids, see pages 732-733.

Sockets/cables, Types MSSD-C, KMC-..., see pages 734-735.

LED Gaskets, see pages 738-739.

Exhaust throttle with silencer

Order No. 4579 GRU-1/4, see page 863.



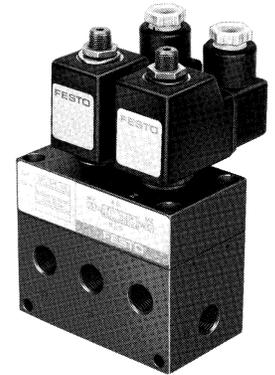
- 1 (P) = Supply Port
- 4, 2 (A, B) = Working or Outlet Ports
- 5, 3 (R, S) = Exhaust Ports

In centered position, these valves hold the piston of a double-acting cylinder clamped under pressure.

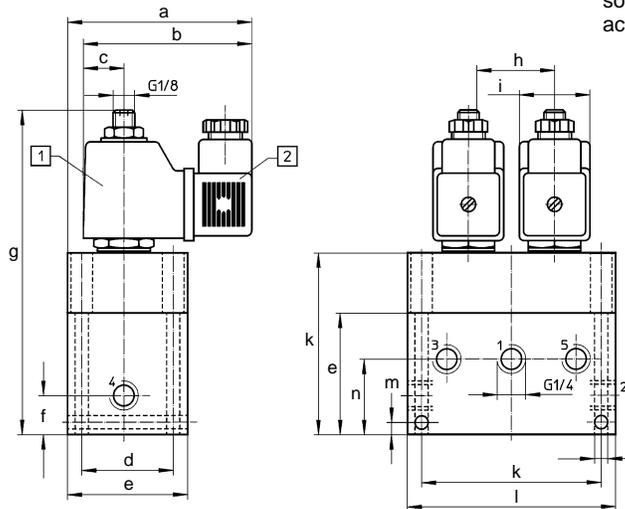
For this reason, they are especially suited for positioning, emergency shutdown and holding double-acting cylinders in any desired position.

Speed control valves must be used only at the exhaust ports to prevent cylinder creep.

The separate exhaust ports R and S permit separate control of cylinder extension and retraction speeds.



Valve shown with solenoid and socket accessories.



### Dimensions

- a 3.01 in / 76.5 mm
- b 2.76 in / 70 mm
- c 0.67 in / 17 mm
- d 1.50 in / 38 mm
- e 1.97 in / 50 mm
- f 0.63 in / 16 mm
- g 5.28 in / 134 mm
- h 1.28 in / 32.5 mm
- i 1.16 in / 29.5 mm
- j 0.22 in / 5.5 mm
- k 2.95 in / 75 mm
- l 3.43 in / 87 mm
- m 0.20 in / 5 mm
- n 1.22 in / 31 mm

- ① Solenoid coil can be rotated
- ② Plug can be turned 90°

Order Number	Part No./Type	4576 MC-5/4-1/4	
Medium		Compressed air (filtered, lubricated or unlubricated)	
Mounting		Holes through housing	
Connection		G 1/4 ISO	
Orifice Size		0.28 in / 7 mm	
C <sub>v</sub> Factor (1 → 4)		0.68 C <sub>v</sub> / 680 l/min	
Pressure Range		30-150 psi / 2-10 bar	
Response Time at 90 psi / 6 bar		On: 24 ms Off: 24 ms	
Ambient Temperature		23 to 104°F / -5 to +40°C	
Medium Temperature		14 to 140°F / -10 to +60°C	
Design		Seat valve, piloted, with spring centering	
Materials		Housing: Al, blue, anodized. Seals: Buna N	
Weight		2.800 lb / 1.270 kg	
Direct Current	Standard Voltage	12, 24V	
	Available Voltage	12-240V	
Alternating Current	Standard Voltage	24, 42, 110, 220V / 50 Hz	
	Available Voltage	24-380V / 50 or 60 Hz	
Power Consumption	DC	12 W	
	AC	Inrush: 30 VA, holding: 22 VA	
ED Switching Time		100%	
Type of Protection		IP 65 (DIN 40050)	

For solenoids, see pages 732-733.