# **Solenoid Actuated Valves**

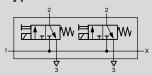
3/2 - 3 Way, 2 Position Valves, G 1/8

# FESTO

## **Single Solenoid Valve**

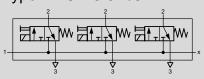
Spring Return and Manual Override Two 3-way, 2 position solenoid valves on common manifold:

Type BMCH-2-3-1/8



Three 3-way, 2 position solenoid valves on common manifold:

Type BMCH-3-3-1/8



When the solenoid is energized, the valve shifts and remains shifted until the solenoid is deenergized.

### Accessories:

Solenoids, see pages 732-733. Sockets, Types MSSD-C, KMC-..., see pages 734-735. LED inserts, Types MC-..., MCL-..., see pages 738-739.

1 (P) =	Supply (	(or	Vacuum)
- (A)	<b>•</b> • • •		

2 (A) = Outlet3 (R) = Exhaust

Order Number Part No./Type		6686 BMCH-2-3-1/8		6687 BMCH-3-3-1/8	
Medium		Compressed air (filtered, lubricated or unlubricated) or vacuum *			
Mounting		Holes through housing			
Connection		P: G 1/4 ISO, A, R: G 1/8 ISO			
Orifice Size		0.09 in / 2.5 mm			
$C_V$ Factor (P $\rightarrow$ A)		0.16 C <sub>V</sub> / 160 l/min			
Pressure Range		0-105 psi / 0-7 bar			
Response Time at 90 psi / 6 bar		On: 12 ms Off: 13 ms			
Ambient Temperature		23 to 104°F / -5 to +°40C			
Medium Temperature		14 to 140°F / -10 to +60°C			
Design		Seat valve directly actuated with spring return			
Materials		Housings: Al, blue anodized. Seals: Buna N			
Weight		1.499 lb / 0.680 kg		2.227 lb / 1.010 kg	
Direct Current:	Standard Voltage	12, 24V			
	Available Voltage	12 to 220V	F   '  700 700		
Alternating Current:	Standard Voltage	24, 42, 110, 220V/50 Hz	For solenoids, see pages 732-733.		
	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)			

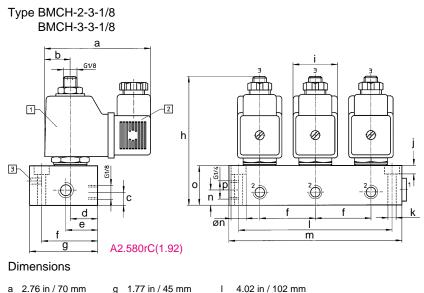
\* Vacuum connection at P





# **Solenoid Actuated Valves**

Dimensions



u	2.70 117 70 1111	9			1.02 117 102 11111	
b	0.67 in / 17 mm	h	3.35 in / 85 mm	m	4.53 in / 115 mm	<ol> <li>Solenoid coil can</li> </ol>
с	0.33 in / 8.5 mm	i	1.16 in / 29.5 mm	n	0.39 in / 10 mm	be rotated
d	0.71 in / 18 mm	j	0.22 in / 5.7 mm	0	1.02 in / 26 mm	Plug can be
е	0.83 in / 21 mm	k	0.22 in / 5.5 mm	р	0.04 in / 1 mm	turned 90°
f	1.46 in / 37 mm					3 Manual override

# **Product Range and Company Overview**

### **A Complete Suite of Automation Services**

Our experienced engineers provide complete support at every stage of your development process, including: conceptualization, analysis, engineering, design, assembly, documentation, validation, and production.



**Custom Automation Components** Complete custom engineered solutions



**Custom Control Cabinets** Comprehensive engineering support and on-site services



**Complete Systems** Shipment, stocking and storage services

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With a comprehensive line of more than 30,000 automation components, Festo is capable of solving the most complex automation requirements.



Electromechanical Electromechanical actuators, motors, controllers & drives



**Pneumatics** Pneumatic linear and rotary actuators, valves, and air supply



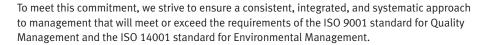
PLCs and I/O Devices PLC's, operator interfaces, sensors and I/O devices

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