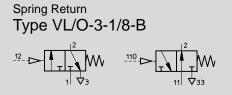
Classic Tiger Series Power Valves 3/2 - 3 Way, 2 Position Valves, G 1/8 and 1/8" NPT



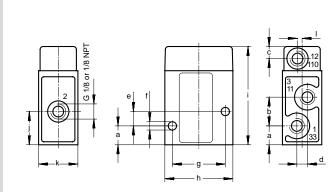


Single Pilot Valve

Depending on the connections, the valve functions either as "normally closed" (1 blocked, 2 exhausted to 3) or "normally open" (11 connected to 2, 33 blocked).

This valve is actuated only while pilot pressure is applied at port 110 or 12.

Manifolds: Type PAL-..., see page 451. Type PRS-..., see page 452.

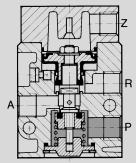




Dimensions

а	0.49 in / 12.5 mm	g	1.38 in / 35 mm
b	0.75 in / 19 mm	h	1.77 in / 45 mm
С	0.31 in / 8 mm	i	2.56 in / 65 mm
d	0.28 in / 7 mm	j	0.87 in / 22 mm
е	0.37 in / 9.5 mm	k	1.02 in / 26 mm
f	0.22 in / 5.5 mm	1	0.12 in / 3 mm

Example: "Normally Closed" Configuration



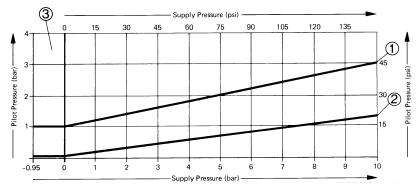
The cover with port Z can be rotated 180°

1, 11	(P) = Supply	
2	(A) = Outlet	

3, 33 (R) = Exhaust

110, 12 (Z) = Pilot

Minimum Pilot Pressure versus Supply Pressure



1 Pressure On

Pressure Off 2

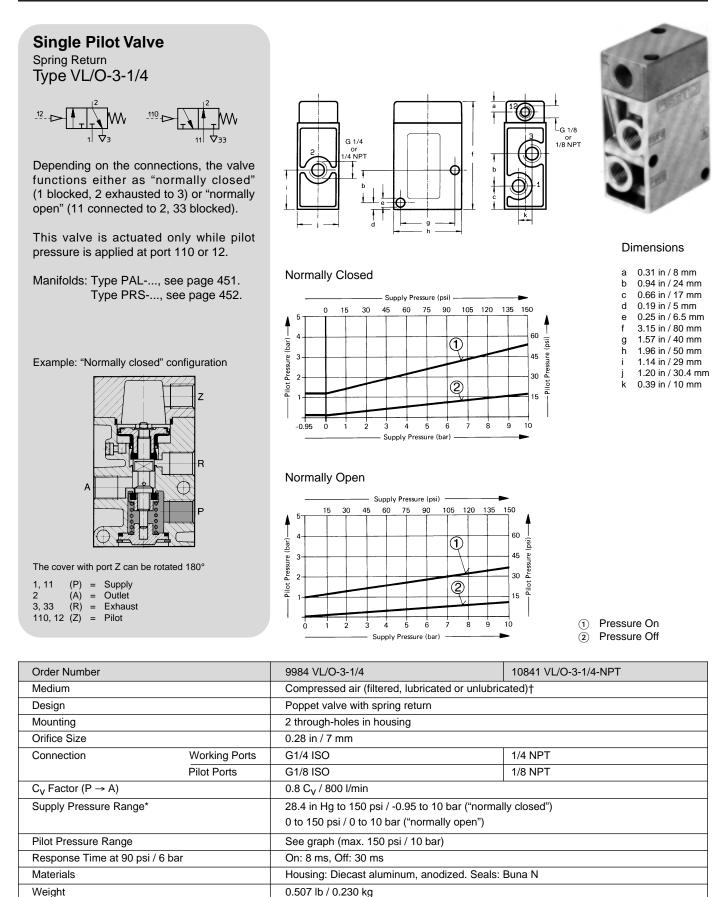
3 Only with "Normally Closed" Function

Order Number	Part No./Type	7803 VL/O-3-1/8-B	10840 VL/O-3-1/8-B-NPT	
Medium		Compressed air (filtered, lubricated or unlubricated)†		
Design		Poppet valve with spring return		
Mounting		2 through holes in housing		
Connection	Working Ports	G 1/8 ISO	1/8 NPT	
	Pilot Port	G 1/8 ISO	1/8 NPT	
Orifice Size		0.20 in / 5 mm		
C_V Factor (P \rightarrow A)		0.5 C _V / 500 l/min		
Supply Pressure Range*		28.4 in Hg to 150 psi / -0.95 to 10 bar ("normally closed"), 0 to 150 psi / 0 to 10 bar ("normally open")		
Pilot Pressure Range		See graph (max. 150 psi / 10 bar)		
Response Time at 90 psi / 6 bar		On: 4 ms, Off: 10 ms		
Materials		Housing: Die cast aluminum, anodized; Seals: Buna N		
Weight		0.331 lb / 0.150 kg		

*14 to +140°F / -10 to +60°C

†In "Normally Closed" design, suitable for vacuum operation (Vacuum connected to P1).

3/2 - 3 Way, 2 Position Valves, G 1/4 and 1/4" NPT



*14 to +140°F / -10 to +60°C

†In "Normally Closed" design, suitable for vacuum operation (Vacuum connected to P1).

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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



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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



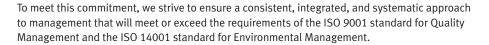
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Festo is a leading global manufacturer of pneumatic and electromechanical systems, components and controls for industrial automation, with more than 12,000 employees in 56 national headquarters serving more than 180 countries. For more than 80 years, Festo has continuously elevated the state of manufacturing with innovations and optimized motion control solutions that deliver higher performing, more profitable automated manufacturing and processing equipment. Our dedication to the advancement of automation extends beyond technology to the education and development of current and future automation and robotics designers with simulation tools, teaching programs, and on-site services.

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