

Lone Wolf

Normally open proportional solenoid valve

FEATURES

- 2-way normally open
- Achieves rapid, stable performance
- Enhances system control and patient comfort
- Maintains ideal flow through normally open valve with thermal compensation
- Extremely reliable



MEDIA COMPATIBILITY

Air, nitrogen, oxygen & others

ELECTRICAL

Power	0.5, 1.0 or 2.0 W
Voltage	3 to 60 V _{DC}
Electrical terminal	PC mount, 18" wire leads

PHYSICAL PROPERTIES

Operating environment	0 to 50 °C
Storage temperature	-40 to 70 °C
Length	45.3 mm (1.785 in)
Width	16.5 mm (0.625 in)
Height	17 mm (0.67 in)
Porting	manifold mount with 43 µm screens, 1/8" barbs, 5/64" barbs
Weight	63 g (2.2 oz)
Internal volume	0.508 cm ³ (0.031 in ³)
Filtration (recommended)	40 µm
Lubrication	None required

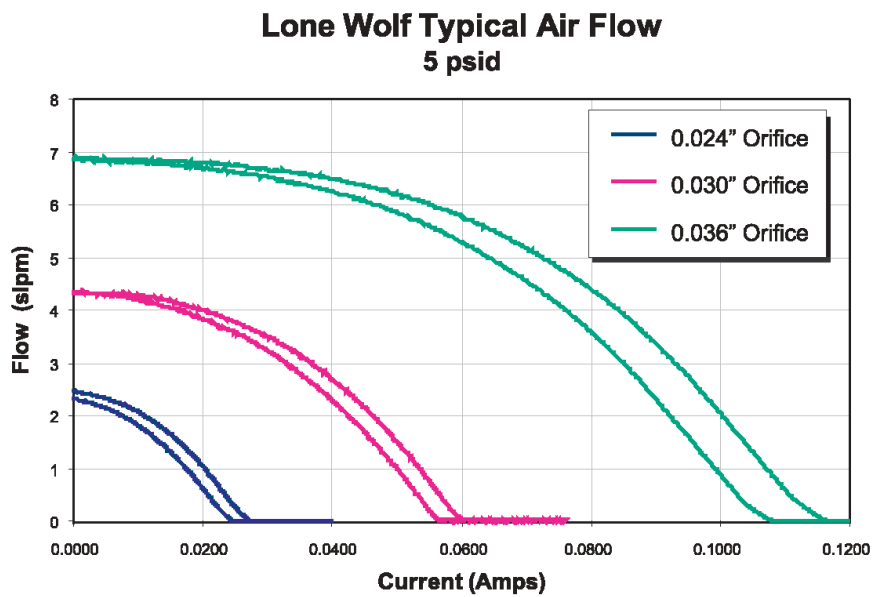
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PERFORMANCE CHARACTERISTICS

Part no.	Pressure	Vacuum	Orifice sizes	Leak rate ¹	Response
LW1...	0..10 psi	0...20 "Hg (0...10 psi)	0.024" (0.610 mm)	Internal: 0.2 sccm (bubble tight) External: 0.016 sccm	<30 msec cycling (2 W)
LW2...	0...20 psi		0.030" (0.762 mm)		
LW3...	0...25 psi		0.036" (0.914 mm)		

FLOW CURVE²



Notes:

¹ sccm denotes Standard Cubic Centimeters per Minute. It is a unit for the flow rate at standard conditions of temperature and pressure. 1000 sccm = 1 slpm.

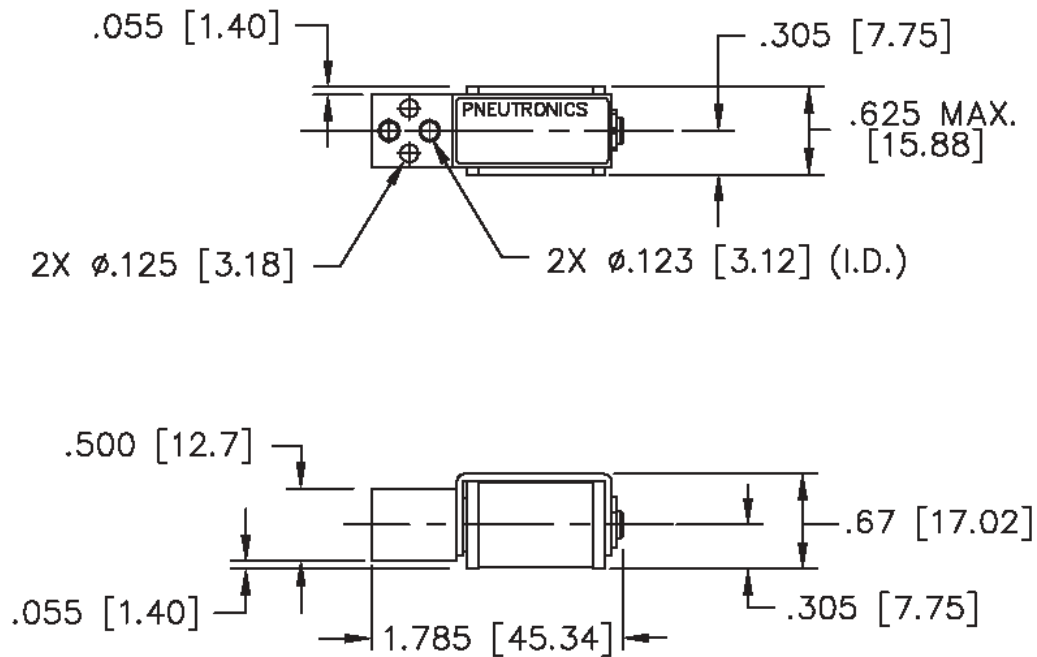
² slpm denotes Standard Liters per Minute. It is a unit for the flow rate at standard conditions of temperature and pressure. 1 slpm = 1000 sccm.

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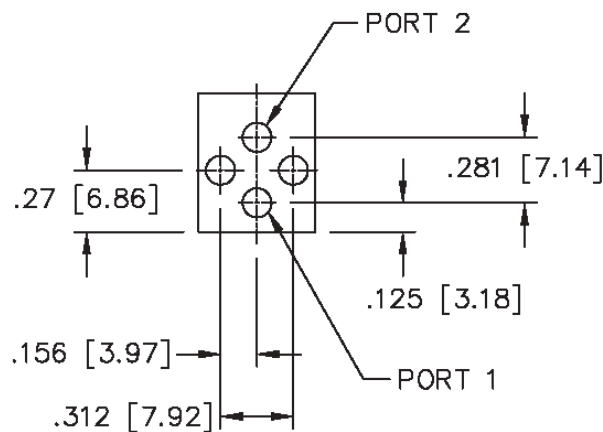
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OUTLINE DRAWING

Basic valve dimensions



Port and mounting hole diagrams

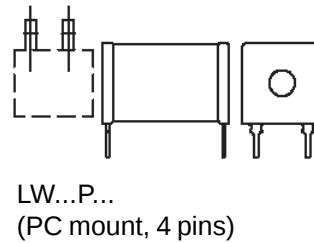
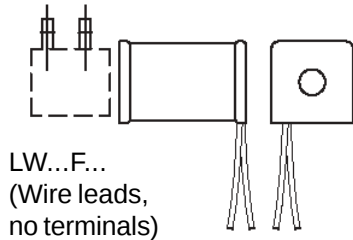


dimensions in inches (mm)

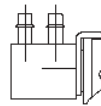
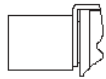
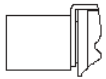
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ELECTRICAL INTERFACE OPTIONS



PNEUMATIC INTERFACE OPTIONS



ORDERING INFORMATION

Standard		Model no.				Material	Elastomer	Coil selection		Electrical interface		Pneumatic interface	
			Max. pressure	Orifice	Coil Wattage								
Options	LW	1:	10 psi	0.024" (0.610 mm)	0.5 W	B: Brass	V: FKM	A:	11 Ω	F: wire leads, 18-19"	P: PC board mount, 4 PC pins	0: manifold mount	1: manifold mount with screens*
		2:	20 psi	0.030" (0.762 mm)	1 W			B:	23 Ω				
		3:	25 psi	0.036" (0.914 mm)	2 W			C:	47 Ω				
								D:	68 Ω				
								F:	274 Ω			8: 1/8" barbs	
												* this option will affect price	
Example:		LW	1			B	V	A		F		8	

Note: Not all combinations might be available.
Please contact your nearest Sensortechonics sales representative for further information.

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