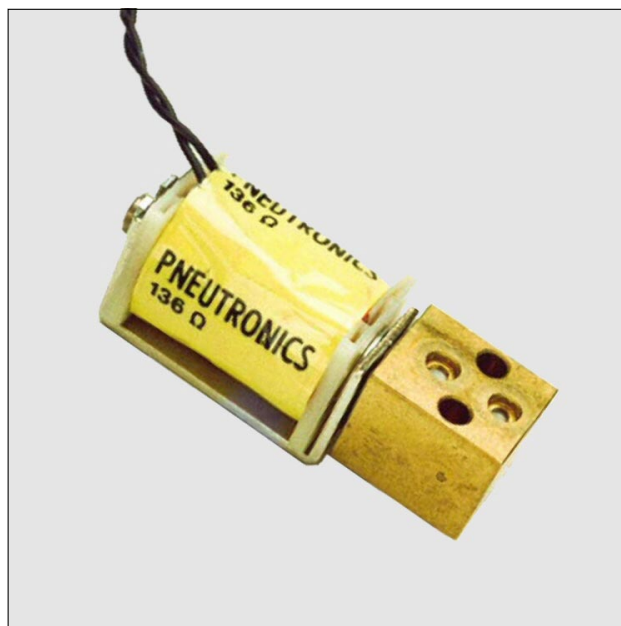


VSO® Low Flow

Normally closed proportional solenoid valve

FEATURES

- 2-way normally closed
- Applications where control is critical or flow is required below 600 sccm
- Provides computer-automated calibrations and full calibration traceability
- Uses either DC current or pulse width modulation with closed loop feedback to deliver optimal system performance
- Maintains ideal flow through thermal compensation
- Highly repeatable
- Oxygen and analytically clean



MEDIA COMPATIBILITY

Air, argon, helium, hydrogen, methane, nitrogen, oxygen & others

ELECTRICAL

Power max. 2 W
Voltage max. 6.5, 8, 12 or 18 V_{DC}

PHYSICAL PROPERTIES

Operating environment	0 to 55 °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 17 µm screens
Weight	63 g (2.2 oz)
Internal volume	0.508 cm ³ (0.031 in ³)
Filtration (recommended)	17 µm
Lubrication	None required

VSO is a registered trademark of Parker Hannifin Corporation.

VSO® Low Flow

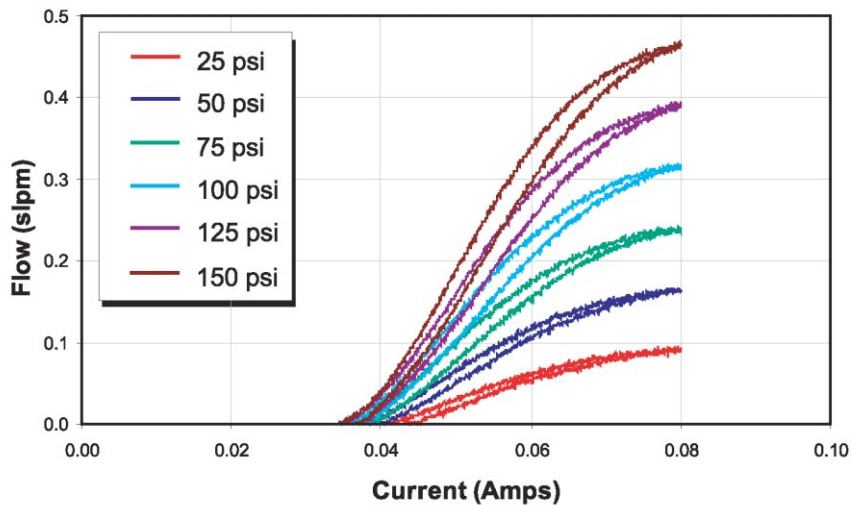
Normally closed proportional solenoid valve

PERFORMANCE CHARACTERISTICS

Part no.	Orifice sizes	Leak rate ¹	Response
910000200...	0.003" (0.076 mm)	≤0.2 sccm of helium (bubble tight)	<15 msec cycling

FLOW CURVE²

VSO Low Flow Typical Air Flow



Notes:

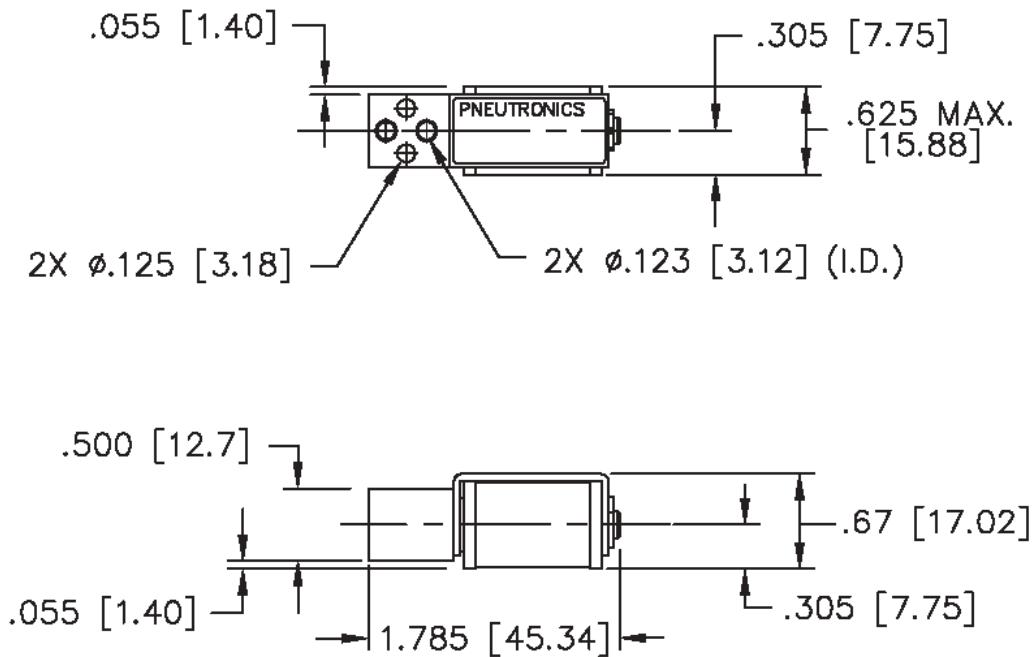
¹ sccm denotes Standard Cubic Centimeters per Minute. It is a unit for the flow rate at standard conditions of temperature and pressure. 1000 sccm = 1 slpm.

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.

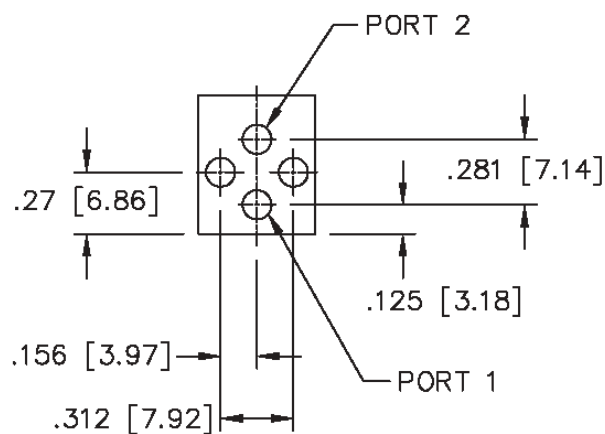
VSO® Low Flow Normally closed proportional solenoid valve

OUTLINE DRAWING

Basic valve dimensions



Port and mounting hole diagrams



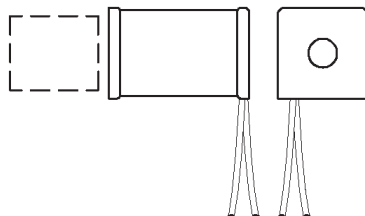
dimensions in inches (mm)

VSO® Low Flow

Normally closed proportional solenoid valve

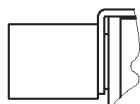
ELECTRICAL INTERFACE

(Wire leads,
no terminals)



PNEUMATIC INTERFACE

(No barbs,
face seal to manifold
with screen)



ORDERING INFORMATION

Options	Series	Model number		Coil selection			
				Max. voltage*	Resistance**	Current***	
	910	000200	VSO, low flow, 0.003" (0.076 mm) orifice size	001:	6.5 V _{DC}	47 Ω	0.152 A
				002:	8 V _{DC}	68 Ω	0.115 A
				003:	12 V _{DC}	136 Ω	0.080 A
				004:	18 V _{DC}	274 Ω	0.060 A
				* max. voltage for continuous full flow, ambient temp. 55°C ** coil resistance for room temp. *** input current for full flow			
Example:	910	000200		001			

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

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