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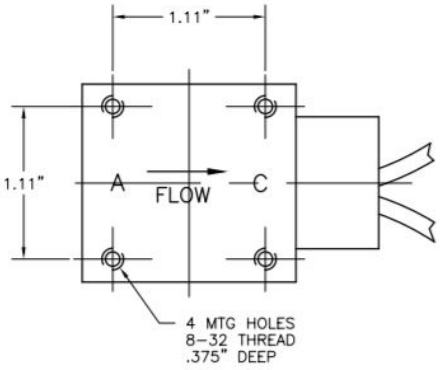
SV11 & SV12

2-Way Normally Closed and Normally Open Floating Seal Construction

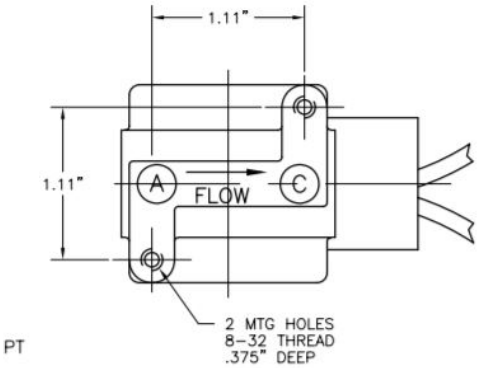
Valcor Engineering Corporation



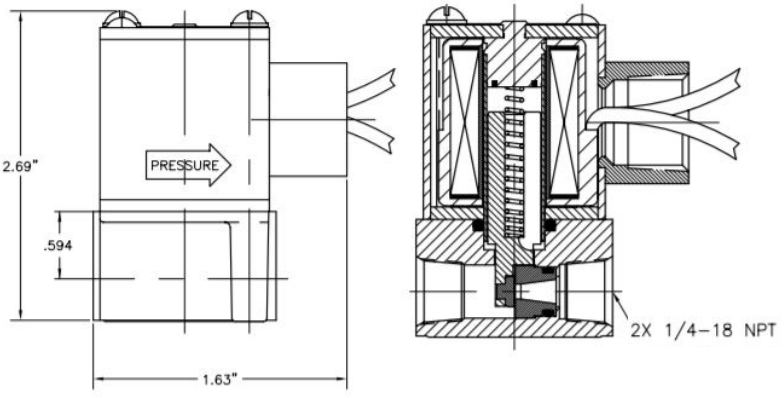




SV11 STAINLESS STEEL BODY



SV12 BRASS BODY



DESCRIPTION

The SV11 and SV12 series are direct acting, 2-way normally closed and normally open solenoid valves. The straight-thru flow path allows for the highest flow of non-corrosive fluids and gases for each orifice size. They utilize Valcor's proprietary floating seal technology which provides tight shut-off, long service life, and the ability to handle particulates in the fluid stream without leaking. This feature makes them particularly well suited for environmental particle analyzers monitoring air and water that include particulate in the sample stream. These valves are direct acting, and do not require system pressure to operate. A 1 PSI minimum pressure differential is needed in the direction of flow for bubble tight shut-off. The compact size and low weight allow these valves to be used in the tightest space available.

APPLICATION

The SV11 and SV12 series are suitable for a broad range of light industrial applications including: air sampling for environmental monitors, water sampling for environmental monitors, and air compressor condensate drain valve.

FEATURES

- Maximum Operating Pressure: 1000 PSI
- Flow Rate: Cv of 0.19 to 0.95 available
- Leak Rate: Internal is bubble tight on gas, drip tight on liquid. External is 1 cc/min at 1000 PSIG
- Temperature: 120°F max
- Electrical Connection: 10" 18 AWG pigtails standard
- 1/4" NPT ports
- Two 8-32 UNF mounting holes in bottom of body
- Unique self-cleaning, wear compensating floating seal design
- Fully customizable for your application

Custom designs are our specialty. Contact us today to see how we can help on your next project.

Valcor Engineering Corporation
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www.valcor.com

SV11 & SV12

2-Way Normally Closed and Normally Open Floating Seal Construction

Valcor Engineering Corporation

Valve Parts in Contact with Fluid

Body	Brass / SS
Floating Seal Disk	PTFE
O-Ring	Buna-N (AC), FKM (DC)
Plunger Tube	303 SS
Plunger	430F SS
Shading Coil	Silver
Plunger Stop	430F SS
Spring	303 SS

Options: EPDM, Buna N or FKM O-ring available.

Electrical

Standard Voltages	10 watts at 115/60 Hz, 15 watts at 24 VDC 70°F; continuous duty
Standard Coil Housing	General purpose with 1/2" NPT conduit. Explosion proof and grommeted pigtails housing are also available. Consult factory. Replace 1st "C" in part number with "E" for explosion proof. Replace 1st "C" in part number with "G" for grommeted pigtails.

Specifications

Port Size (NPT)	Orifice Size (ins.)	Cv	Max. Operating Pressure (PSIG)		Model Number		Wattage	
			Gas	Liquid	SS Body	Brass	115/60Hz	24/DC
2-Way Normally Closed								
1/4	1/16	0.19	1000	900	SV11C19C4-1	SV12C19C4-1	10	
1/4	1/16	0.19	725	675	SV11C56HC4-1	SV12C56HC4-1		15
1/4	3/32	0.26	550	500	SV11C19C4-2	SV12C19C4-2	10	
1/4	3/32	0.26	240	225	SV11C56HC4-2	SV12C56HC4-2		15
1/4	1/8	0.41	225	175	SV11C19C4-3	SV12C19C4-3	10	
1/4	1/8	0.41	150	140	SV11C56HC4-3	SV12C56HC4-3		15
1/4	3/16	0.95	125	100	SV11C19C4-5	SV12C19C4-5	10	
1/4	3/16	0.95	75	65	SV11C56HC4-5	SV12C56HC4-5		15
2-Way Normally Open								
1/4	1/16	0.19	800	750	SV11C1904-1	SV12C1904-1	10	
1/4	1/16	0.19	500	475	SV11C56H04-1	SV12C56H04-1		15
1/4	3/32	0.26	400	375	SV11C1904-2	SV12C1904-2	10	
1/4	3/32	0.26	250	225	SV11C56H04-2	SV12C56H04-2		15

Note: Minimum pressure differential of 1 PSI in the direction of flow is required for bubble tight shut-off.

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