

# SV-11 & SV-12

## 2-Way Floating Seal Solenoid Valves Normally Closed and Normally Open

### Description

2-Way Solenoid Valves  
Port Size: 1/4" NPTF  
Pressure: 0-1000 PSIG  
Configuration: Normally Closed  
Normally Open

### Valve Type

SV-11 (Stainless Steel Body) and SV-12 (Brass Body) are direct acting Floating Seal solenoid valves with venturi-like flow paths and in-line porting.

### Features and Operation

SV-11 and SV-12 Floating Seal valves permit high flow of just about any non-corrosive fluid, light particulate liquid or gas (SV-11 stainless steel valves can handle some semi-corrosive fluids). 1 PSIG minimum pressure differential in direction of flow is required for drip tight sealing. No minimum pressure is required for operation.

All valves employ Valcor's Floating Seal disc, which wipes the valve seat clean of contaminants with each up-and-down plunger movement, thereby eliminating clogging. Seal discs are made of Teflon for greatest fluid compatibility.

AC valves come standard with Buna N O-Rings. DC valves employ Viton O-Rings because of higher coil rating.

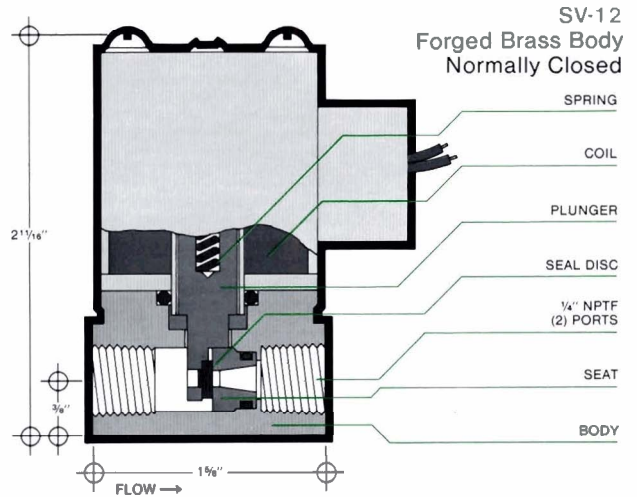
All wetted parts, except bodies, seals and O-Rings are made of stainless steel. AC valves include a silver shading ring within their fluid path. Venturi-like flow paths permit rapid fluid movement through the valve seat with virtually no additional pressure drop. We recommend these valves be mounted with solenoids in a vertical, upright position.

### Electrical Data

All AC valves have 10 watt continuous duty coils, epoxy molded with 18" PVC leads per UL Class 130.

All DC valves have 15 watt continuous duty coils, epoxy molded with 10" Teflon leads per UL Class 180.

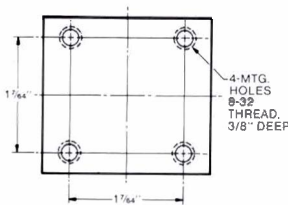
General purpose electrical housings with 1/2" conduit hub are standard with conduit located over outlet port. 90° incremental rotation of conduit hub, explosion proof solenoid or pigtail housings are available options.



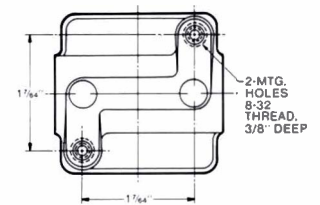
SV-11 stainless steel valves are dimensionally identical to SV-12. Bodies are stainless steel blocks rather than forgings.

### Mounting Drawings

SV-11  
Stainless Steel Body



SV-12  
Brass Body



### Mechanical Specifications

### Electrical Specifications

Port Dia. (NPTF) (In.)	Orifice Dia. (In.)	Cv	Max. Operating Pressure (PSIG)		*Model Number		Wattage		
			Gas	Liquid	Stainless Steel Body	Brass Body	115V/60Hz	24V/DC	
<b>2-Way Normally Closed Valves</b>									
1/4	1/16	.19	1000	900	11C19C4-1	12C19C4-1	10		15
			725	675	11C56HC4-1	12C56HC4-1			
1/4	3/32	.26	550	500	11C19C4-2	12C19C4-2	10		15
			240	225	11C56HC4-2	12C56HC4-2			
1/4	1/8	.41	225	175	11C19C4-3	12C19C4-3	10		15
			150	140	11C56HC4-3	12C56HC4-3			
1/4	3/16	.95	125	100	11C19C4-5	12C19C4-5	10		15
			75	65	11C56HC4-5	12C56HC4-5			
<b>2-Way Normally Open Valves</b>									
1/4	1/16	.19	800	750	11C19O4-1	12C19O4-1	10		15
			500	475	11C56HO4-1	12C56HO4-1			
1/4	3/32	.26	400	375	11C19O4-2	12C19O4-2	10		15
			250	225	11C56HO4-2	12C56HO4-2			

### Optional Coil Housings

To order valves with housings other than standard conduit, replace the first letter "C" in the model number with one of the following:

E = Explosion Proof  
P = Pigtail

### Optional O-Rings

To order valves with O-Rings made of other materials, add one of the following numbers at the end of the model number:

1 = Viton  
3 = Ethylene Propylene (EPR)  
7 = Neoprene

\*WHEN ORDERING - Specify model number and confirm voltage and frequency. Voltages other than those listed are available. For options not listed or specialized design requirements, please consult factory.