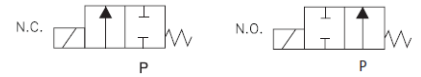


SV350 & SV450

2-Way Normally Closed and Normally Open
High Pressure Pilot Operated Solenoid Valves



Valcor General Purpose Series



DESCRIPTION

These 2-way piloted piston operated solenoid valves are available in normally closed and normally open operating modes. They range from 1/4" to 1/2" port sizes, with orifice sizes of 3/8" and pressures to 2,200 psi. Available in stainless steel bodies and optional seal materials, these high flow, high pressure valves are designed to handle a wide range of gases and fluids. For special applications, contact your Valcor customer service representative.

APPLICATION

The SV350 & SV450 series are suitable for a broad range of industrial applications. Typical applications include:

- General on-off control of water, oil and gas
- High pressure calibration and test stands
- High flow fuel lines
- Process control and production piping
- Economical choice for OEM applications

FEATURES

- Zero PSI minimum operating pressures
- High flow capability in compact design
- AC and DC solenoid coils in a wide range of standard voltages
- NEMA4 as standard coil enclosure, NEMA7 Explosion proof and others available
- Mountable in Any Position



VALCOR SV350 & SV450 SPECIFICATIONS

Construction

Operating Mode	Normally Closed: Open when energized, closed when de-energized Normally Open: Closed when energized, open when de-energized
Port Size (in.)	Normally Closed: 1/4, 3/8, 1/2 Normally Open: 1/4, 3/8, 1/2
Orifice Size (in.)	3/8
Temperature Range	Ambient Temp 32°F to 125°F Fluid Temp: See specifications on next page
Mounting Position	Any position
Agency Listings	UL recognized

Valve Parts in Contact With Fluid

Body	303 stainless steel
Seals	FKM, PTFE
Internal Metal Parts	303 and 430F stainless steel

Electrical

Standard Voltage	AC 24V 60Hz AC 110V 50Hz, AC 120V 60Hz AC 220V 50Hz, AC 240V 60Hz DV 12V, DC 24V
Voltage Tolerance	+10% to -15% of applicable voltage
Standard Coil Housing	Standard: Watertight NEMA 4 Options: Explosion proof NEMA 7, open frame, junction box
Coil	Class F and H
Lead Length	24 inch

*Consult the factory for specifications other than those listed above.

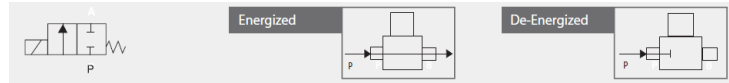
Coil Data

Model			
Frequency (Hz)		60	50
Power (VA)	Inrush	46	46
	Holding	20	21
Power Consumption	AC	10	10
	DC	14	14

VALCOR SV350 & SV450 SPECIFICATIONS

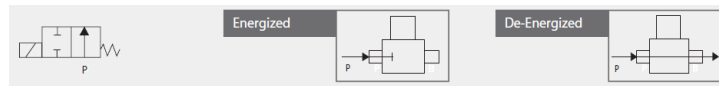
Specifications for SV350 Normally Closed

Port Size (in.) (NPT)	Orifice Size (in.)	C _v	Minimum Operating Pressure (PSIG)	Max. Operating Pressure (PSIG)						Max Fluid Temp °F	Model Number*
				Air/Gas		Water		Lt. Oil			
				AC	DC	AC	DC	AC	DC		
1/4	3/8	1.1	0	2200	2200	2200	2200	2200	2200	230	SV350GF02Z1BF5
3/8	3/8	1.5	0	2200	2200	2200	2200	2200	2200	230	SV350GF02Z1CF5
1/2	3/8	1.5	0	2200	2200	2200	2200	2200	2200	230	SV350GF02Z1DF5



Specifications for SV450 Normally Open

Port Size (in.) (NPT)	Orifice Size (in.)	C _v	Minimum Operating Pressure (PSIG)	Max. Operating Pressure (PSIG)						Max Fluid Temp °F	Model Number*
				Air/Gas		Water		Lt. Oil			
				AC	DC	AC	DC	AC	DC		
1/4	3/8	0.8	0	2200	2200	2200	2200	2200	2200	230	SV450GF02Z1BF5
3/8	3/8	1.0	0	2200	2200	2200	2200	2200	2200	230	SV450GF02Z1CF5
1/2	3/8	1.0	0	2200	2200	2200	2200	2200	2200	230	SV450GF02Z1DF5



*PTFE seats may allow for a small amount of internal leakage at pressures less than 100 PSI

VALCOR SV350 & SV450 SPECIFICATIONS

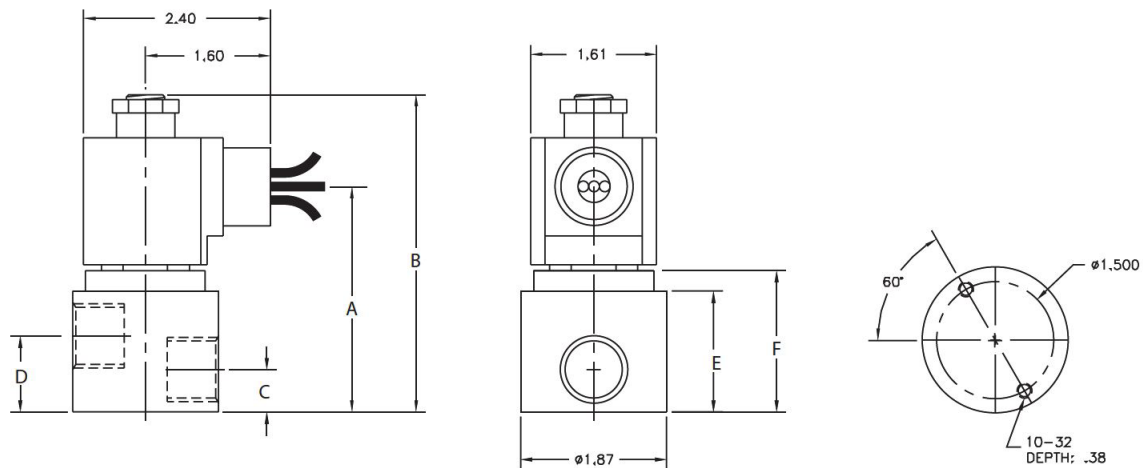
Part Number Configurator

Example Part Number: SV350GF02Z1B F5

S V 3 5 0		G	F	0 2	Z	1	B	F 5							
Numbers 1 thru 5		6	7	8-9	10	11	12	13-14							
Series	Operating Mode	Housing		Coil Insulation		Application Voltage		Seal Material	Body Code	Port Connection (NPT) (in.)		Orifice Size (in.)			
SV350	Normally Closed	X	Explosion Proof NEMA 7	F	Class F	02	120V/60Hz 110V/50Hz	Z	FKM/PTFE	1	SS	B	1/4	F5	3/8
SV450	Normally Open	G	Watertight NEMA 4	H	Class H	45	12V DC					C	3/8		
		Y	DIN			46	24V DC					D	1/2		

*Please specify media and pressure when ordering.

External Dimensions



Port Connection NPT (in.)	A		B		C		D		E		F		Weight (lbs)
	NC	NO	NC	NO	NC	NO	NC	NO	NC	NO	NC	NO	
1/4	2.66	2.73	3.61	4.10	0.42	0.42	0.95	0.95	1.47	1.47	1.74	1.74	1.80
3/8	2.66	2.73	3.61	4.10	0.42	0.42	0.95	0.95	1.47	1.47	1.74	1.74	1.80
1/2	2.74	2.81	3.69	4.17	0.54	0.54	0.97	0.97	1.55	1.55	1.82	1.82	2.00