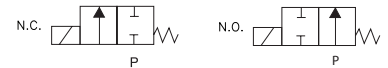


SV340 & SV440

2-way Normally Closed and Normally Open
High Flow Piloted Piston 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 3/8" to 1 1/4" port sizes with orifice sizes of 3/8" to 1 1/8", and pressures to 300 psi. Available in both stainless steel and brass constructions with optional seal materials, these high flow valves are designed to handle a wide range of gases and fluids. For special applications, contact your Valcor customer service representative.

APPLICATIONS

The SV340 & SV440 series are suitable for a broad range of industrial applications. Typical applications include:

- General on-off control of water, oil, and gas
- #5 and #6 heated fuel oil lines
- Steam applications to 150 PSI
- Process control and production piping
- Gas and liquid distribution systems
- Economical choice for OEM applications

FEATURES

- Zero PSI (to 5 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
- Pressures rating of up to 300 psi
- Mountable with solenoid vertical and upright only



VALCOR SV340 & SV440 SERIES 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, 3/4, 1, 1 1/4 Normally Open : 1/4, 3/8, 1/2
Orifice Size (in.)	Normally Closed: 3/8, 3/4, 15/16 1 1/8 Normally Open : 3/8
Temperature Ratings	Ambient Temp. -40°F to 150°F max. with Class F Coil 175°F max. with Class H Coil. Fluid Temp. See specifications, next page
Mounting Position	Solenoid vertical and upright only
Agency Listings	UL listed, CSA approved by order
Options	Manual override, mounting bracket

Valve Parts in Contact with Fluid

Body	Brass, 303 stainless steel
Seals	Viton, Buna N, PTFE
Internal Metal Parts	303 and 430F stainless steel

Electrical

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

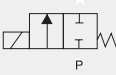
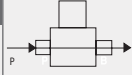
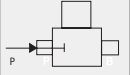
*Consult the factory for specifications other than those listed above

Coil Data

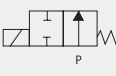
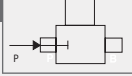
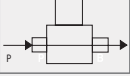
Model		SV340	SV440
Frequency (Hz)		60	60
Power (VA)	Inrush	46.2	46.2
	Holding	20.4	22.4
Power Consumption (W)	AC	10	10
	DC	Class F= 10, Class H= 9	

VALCOR SV340 & SV440 SPECIFICATIONS

Specification for SV340 Normally Closed

Port Size (NPT) (in.)	Orifice Size (in.)	C _v	Operating Pressure Differential								Max Fluid Temp °F	Model Number		
			Max Pressure (PSI)									Normally Closed		
			Air /Gas Water, Lt Oil		#5 & #6 Heated Fuel Oil		Steam					Brass	Stainless Steel	
			AC	DC	AC	DC	AC	DC	AC	DC				
Normally Closed														
1/4	3/8	1.1	0	300	150	300	150	-	-	230	SV340GF02V9BF5	SV340GF02V1BF5		
	3/8	1.1	0	-	-	-	-	150	150	366	SV340GH02S0BF5	SV340GH02S1BF5		
3/8	3/8	1.5	0	300	150	300	150	-	-	230	SV340GF02V9CF5	SV340GF02V1CF5		
	3/8	1.5	0	-	-	-	-	150	150	366	SV340GH02S0CF5	SV340GH02S1CF5		
1/2	3/8	1.5	0	300	150	300	150	-	-	230	SV340GF02V9DF5	SV340GF02V1DF5		
	3/8	1.5	0	-	-	-	-	150	150	366	SV340GH02S0DF5	SV340GH02S1DF5		
	3/4	6.0	5	100	100	150	100	-	-	230	SV340GF02V5DG5			
3/4	3/4	7.2	5	100	100	150	100	-	-	230	SV340GF02V5EG5			
1	15/16	11.5	5	100	100	150	100	-	-	230	SV340GF02V5FG7			
1 1/4	1 1/8	18.8	5	100	100	150	100	-	-	230	SV340GF02V5GJ1			

Specification for SV440 Normally Open

Port Size (NPT) (in.)	Orifice Size (in.)	C _v	Operating Pressure Differential								Max Fluid Temp °F	Model Number		
			Max Pressure (PSI)									Normally Open		
			Air /Gas Water, Lt Oil		#5 & #6 Heated Fuel Oil		Steam					Brass	Stainless Steel	
			AC	DC	AC	DC	AC	DC	AC	DC				
Normally Open														
1/4	3/8	0.8	0	300	150	300	150	-	-	230	SV440GF02V9BF5	SV440GF02V1BF5		
	3/8	0.8	0	-	-	-	-	150	150	366	SV440GH02S0BF5	SV440GH02S1BF5		
3/8	3/8	1.0	0	300	150	300	150	-	-	230	SV440GF02V9CF5	SV440GF02V1CF5		
	3/8	1.0	0	-	-	-	-	150	150	366	SV440GH02S0CF5	SV440GH02S1CF5		
1/2	3/8	1.0	0	300	150	300	150	-	-	230	SV440GF02V9DF5	SV440GF02V1DF5		
	3/8	1.0	0	-	-	-	-	150	150	366	SV440GH02S0DF5	SV440GH02S1DF5		

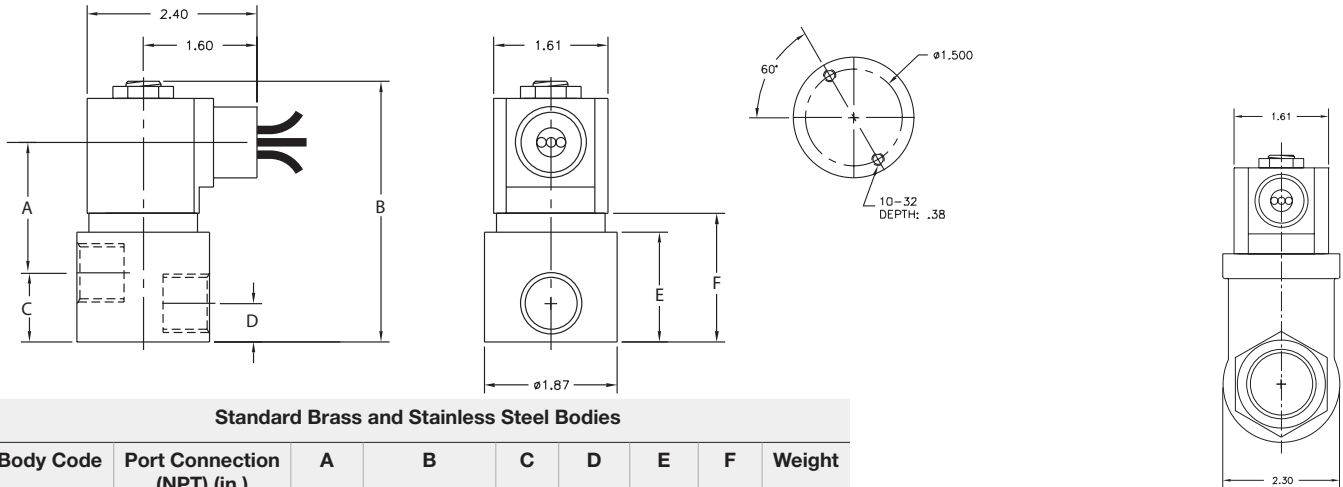
VALCOR SV340 & SV440 SPECIFICATIONS

Part Number Configurator

Example Part Number: **SV340GF02V9B F5**

S	V	3	4	0	G	F	0	2	V	9	B	F	5					
Numbers 1 thru 5					6	7	8-9		10	11	12	13-14		15				
Series	Operating Mode	Housing		Coil Insulation		Applicable Voltage		Seal Material		Body Code		Port Connection (NPT) (in.)		Orifice Size (in.)		Option		
SV340	Normally Closed	A	Conduit	F	Class F	02	120V/60Hz 110V/50Hz	V	Viton	9	Brass w/ SS Trim	B	1/4	F5	3/8	M	Manual Override	
		P	Open Frame	H	Class H	04	220V/60Hz 220V/50Hz	N	Buna N	0	Brass* w/ SS Trim	C	3/8	G5	3/4	K	Mounting Bracket	
SV440	Normally Open	B	Grommet			01	24V/60Hz	S	PTFE	5	Cast Brass w/ SS Trim	D	1/2	G7	15/16			
		X	Explosion Proof NEMA 7			15	12V DC					E	3/4	J1	1 1/8			
		S	Junction Box			16	24V DC					F	1					
		G	Watertight NEMA 4										G	1 1/4				
		Y	DIN															

External Dimensions



Standard Brass and Stainless Steel Bodies

Body Code	Port Connection (NPT) (in.)	A	B	C	D	E	F	Weight	
			NC NO						
9, 0, and 1	1/4	1.54	3.57	3.91	0.95	0.42	1.47	1.73	1.75
9, 0, and 1	3/8	1.54	3.57	3.91	0.95	0.42	1.47	1.73	1.75
9, 0, and 1	1/2	1.60	3.65	3.99	0.97	0.54	1.55	1.81	2.00

Cast Brass Bodies

Body Code	Port Connection (NPT) (in.)	A	B	C	D	E	F	Weight
5	1/2	3.05	1.75	1.50	3.90	0.82	5.15	3.25
5	3/4	3.05	1.75	1.50	3.90	0.82	5.15	4.00
5	1	3.19	1.88	1.75	4.43	1.00	5.42	4.25
5	1 1/4	3.93	2.28	1.94	4.95	1.23	6.43	6.25

