

SV340 & SV440 Series

2-Way Piloted Piston Solenoid Valves

S340 • Normally Closed
S440 • Normally Open

These 2-way piloted piston operated solenoid valves provide on-off control of air, gas, water, light oil, #5 and #6 heated fuel oil, steam and a wide variety of other compatible fluid media. Available in normally closed and normally open operating modes, they feature a choice of brass or stainless steel construction. These valves are offered in NPT pipe connections from 1/4" to 1 1/4" with orifice sizes ranging from 3/8" to 1 1/8".



Specifications

Operating Mode	Normally Closed	Open when energized, closed when de-energized.	
	Normally Open	Closed when energized, open when de-energized.	
Pipe 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		
Body	Stainless Steel, Brass		
Sealing/Seat	Buna N, Viton, Teflon		
Housing	Standard	Watertight NEMA 4	
	Options	Explosion proof NEMA 7, Open Frame, Junction box	
Available Voltages	AC24V 60Hz	12V DC	
	AC110V 50Hz AC120V 60Hz AC220V 50Hz AC240V 60Hz	24/DC	
Voltage Tolerance	+10% to -15% of applicable voltage		
Coil	Class F and H		
Lead Length	24 inch		
Temperature Ratings	Ambient Temp. -40°F to 150°F max. with Class F Coil; 175°F max. with Class H Coil.		
	Fluid Temp. See the "HOW TO ORDER" Table.		
Mounting position	Solenoid vertical and upright only		
Agency Listings	Consult Factory		
Options	Manual Override, Mounting Bracket, Neon Lamp, Surge Suppressor		

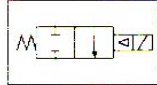
Consult Valcor Scientific for specifications other than those listed.



Valve Selection Sheet

Pipe Size (in.) NPT	Orifice (in.)	Cv	Operating Pressure Differential								Max. Fluid Temp. °F	Housing	Power Consumption (W)		Coil Insulation	Voltage 60 HZ	Model Code			
			Max. PSI										AC	DC			Brass		Stainless Steel	
			Air/Gas, Water, Lt. Oil		#5 & #6 Heated Fuel Oil		Steam													
			Min PSI	AC	DC	AC	DC	AC	DC	AC			DC							

Normally Closed



De-energized



Energized



1/4	3/8	1.1	0	300	150	300	150	-	-	230	G	10	10	F	120	SV340GF02V9BF5	SV340GF02V9BF5S
	3/8	1.1	0	-	-	-	-	150	150	366	G	10	9	H	120	SV340GH02S0BF5	SV340GH02S0BF5S
3/8	3/8	1.5	0	300	150	300	150	-	-	230	G	10	10	F	120	SV340GF02V9CF5	SV340GF02V9CF5S
	3/8	1.5	0	-	-	-	-	150	150	366	G	10	9	H	120	SV340GH02S0CF5	SV340GH02S0CF5S
1/2	3/8	1.5	0	300	150	300	150	-	-	230	G	10	10	F	120	SV340GF02V9DF5	SV340GF02V9DF5S
	3/8	1.5	0	-	-	-	-	150	150	366	G	10	9	H	120	SV340GH02S0DF5	SV340GH02S0DF5S
	3/4	6.0	5	100	100	150	100	-	-	230	G	10	10	F	120	SV340GF02V5DG5	
3/4	3/4	7.2	5	100	100	150	100	-	-	230	G	10	10	F	120	SV340GF02V5EG5	
1	15/16	11.5	5	100	100	150	100	-	-	230	G	10	10	F	120	SV340GF02V5FG7	
1 1/4	1 1/8	18.8	5	100	100	150	100	-	-	230	G	10	10	F	120	SV340GF02V5GJ1	

Normally Open



De-energized



Energized



1/4	3/8	0.8	0	300	150	300	150	-	-	230	G	10	10	F	120	SV440GF02V9BF5	SV440GF02V9BF5S
	3/8	0.8	0	-	-	-	-	150	150	366	G	10	9	H	120	SV440GH02S0BF5	SV440GH02S0BF5S
3/8	3/8	1	0	300	150	300	150	-	-	230	G	10	10	F	120	SV440GF02V9CF5	SV440GF02V9CF5S
	3/8	1	0	-	-	-	-	150	150	366	G	10	9	H	120	SV440GH02S0CF5	SV440GH02S0CF5S
1/2	3/8	1	0	300	150	300	150	-	-	230	G	10	10	F	120	SV440GF02V9DF5	SV440GF02V9DF5S
	3/8	1	0	-	-	-	-	150	150	366	G	10	9	H	120	SV440GH02S0DF5	SV440GH02S0DF5S

Model Code

S V 3 4 0

G

F

0

2

V

9

B

F

5

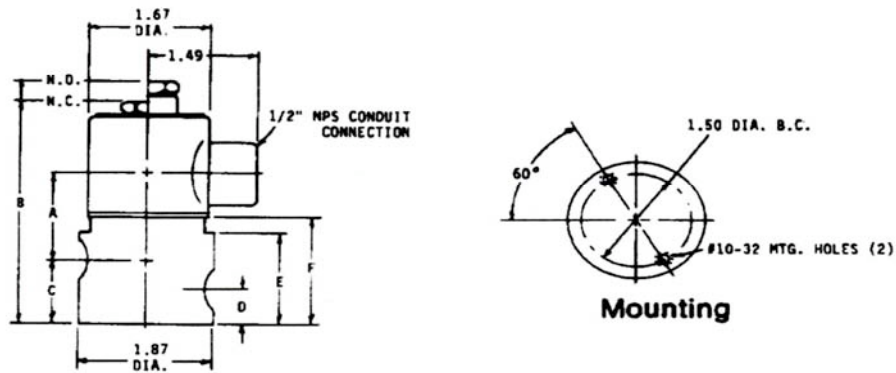
1-2-3-4-5		6	7	8-9	10	11	12	13-14	15	
Series	Operating Mode	Housing	Coil Insulation	Applicable Voltage	Seat Material	Body Code	Pipe Connection	Orifice Size	Option	
SV340	Normally Closed	A= Conduit	F= Class F	02= 120V/60HZ 110V/50HZ	V= Viton	9= Brass w/ SS trim	B= 1/4	F5= 3/8	S= SS Body	
SV440	Normally Open	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	M= Manual Override	
		B= Grommet		01= 24V/60HZ	S= Teflon	5= Cast Brass w/ SS trim	D= 1/2	G7= 15/16	K= Mounting Bracket	
		X= Explosion Proof NEMA 7		15= 12V DC		*for steam service	E= 3/4	J1= 1 1/18		
		S= Junction Box		16= 24V DC			F= 1			
		G= Watertight NEMA 4					G= 1 1/4			

Coil Data

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

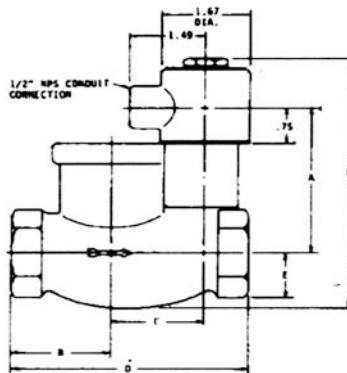
External Dimensions

Standard Brass and Stainless Steel Bodies



Body Code	Pipe Conn.	A	B		C	D	E	F	Weight
			NC	NO					
9 or 0	1/4	1.54	3.57	3.91	0.95	0.42	1.47	1.73	1.75
9 or 0	3/8	1.54	3.57	3.91	0.95	0.42	1.47	1.73	1.75
9 or 0	1/2	1.60	3.65	3.99	0.97	0.54	1.55	1.81	2.00

Cast Brass Bodies



Body Code	Pipe Conn.	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



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