

SV73 Series

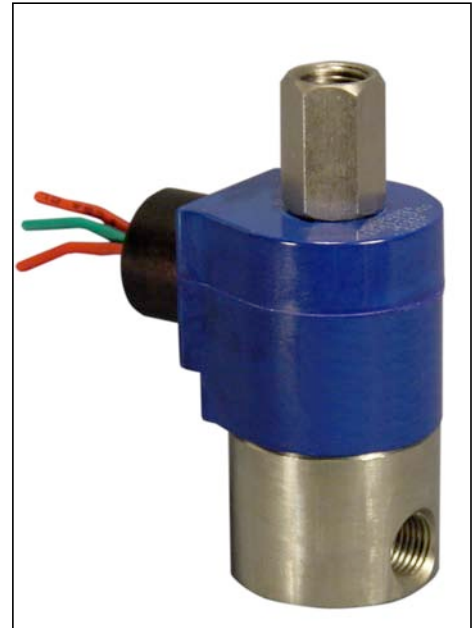
3-Way Direct Acting Solenoid Valves

SV733 • Normally Closed

SV734 • Normally Open

SV736 • Universal

Featuring stainless steel body construction as standard, the SV73 series 3-way direct acting solenoid valves are designed for controlling air, gas, water, light oil, and a wide variety of other compatible fluid media. These sturdy valves are offered with Viton seals, standard 1/8" and 1/4" NPT pipe connections, and orifice sizes ranging from 3/64" to 1/4". For special applications, contact your Valcor customer service representative.



Specifications

Operating Mode	Normally Closed	Open when energized, closed when de-energized.	
	Normally Open	Closed when energized, open when de-energized.	
	Universal	Either normally open or normally closed with pressure at any port.	
Pipe Size (in.)	1/8 • 1/4		
Orifice Size (in.)	3/64 • 1/16 • 3/32 • 1/8 • 3/16 • 1/4		
Body	Stainless Steel, Brass		
Sealing/Seat	Viton, Buna N, 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	Mounts in any position		
Agency Listings	Consult Factory		
Options	Mounting Bracket, Neon Lamp, Surge Suppressor		

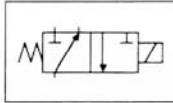
Contact Valcor Scientific for specifications other than those listed.



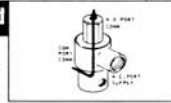
Valve Selection Sheet

Pipe Size (in.) NPT	Orifice (in.)		Cv		Operating Pressure Differential						Fluid Temp. °F	Body Code	Housing	Power Consumption (W)		Coil Insulation	Voltage 60 HZ	Model Code
	Body	Top	Body	Top	Max. PSI									AC	DC			
					Air/Gas		Water		Lt. Oil									
					AC	DC	AC	DC	AC	DC								

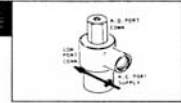
Normally Closed



De-energized

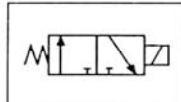


Energized

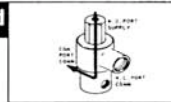


1/8	3/64	1/16	0.05	0.10	200	200	200	200	200	200	230	2	G	10	10	F	120	SV733GF02V2AV1
	1/16	1/16	0.08	0.10	150	150	150	150	150	150	230	2	G	10	10	F	120	SV733GF02V2AC5
	3/32	3/32	0.18	0.23	100	100	100	100	100	100	230	2	G	10	10	F	120	SV733GF02V2AC9
	1/8	3/32	0.30	0.23	75	75	75	75	75	75	230	2	G	10	10	F	120	SV733GF02V2AV3
	3/16	3/32	0.53	0.23	30	30	30	30	30	30	230	2	G	10	10	F	120	SV733GF02V2AV9
1/4	3/64	1/16	0.05	0.10	200	200	200	200	200	200	230	3	G	10	10	F	120	SV733GF02V3BV1
	1/16	1/16	0.08	0.10	150	150	150	150	150	150	230	3	G	10	10	F	120	SV733GF02V3BC5
	3/32	3/32	0.18	0.23	100	100	100	100	100	100	230	3	G	10	10	F	120	SV733GF02V3BC9
	1/8	3/32	0.30	0.23	75	75	75	75	75	75	230	3	G	10	10	F	120	SV733GF02V3BV3
	3/16	3/32	0.53	0.23	30	30	30	30	30	30	230	3	G	10	10	F	120	SV733GF02V3BV9

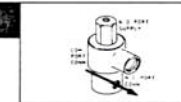
Normally Open



De-energized

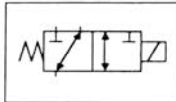


Energized

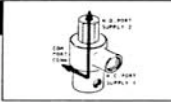


1/8	1/8	1/16	0.36	0.10	125	120	125	120	125	120	230	2	G	10	10	F	120	SV734GF02V2AV5
	1/8	3/32	0.36	0.20	75	25	75	25	75	25	230	2	G	10	10	F	120	SV734GF02V2AV3
1/4	1/8	1/16	0.36	0.10	125	120	125	120	125	120	230	3	G	10	10	F	120	SV734GF02V3BV5
	1/8	3/32	0.36	0.20	75	25	75	25	75	25	230	3	G	10	10	F	120	SV734GF02V3BV3
	1/4	3/32	0.80	0.20	75	20	75	20	75	20	230	3	G	10	10	F	120	SV734GF02V3BW1

Universal



De-energized



Energized



1/8	3/64	1/16	0.05	0.08	150	120	150	120	150	120	230	2	G	10	10	F	120	SV736GF02V2AV1
	1/16	1/16	0.08	0.08	120	100	120	100	120	100	230	2	G	10	10	F	120	SV736GF02V2AC5
	3/32	3/32	0.18	0.19	75	25	75	25	75	25	230	2	G	10	10	F	120	SV736GF02V2AC9
	1/8	3/32	0.30	0.23	50	20	50	20	50	20	230	2	G	10	10	F	120	SV736GF02V2AV3
1/4	3/64	1/16	0.05	0.08	150	120	150	120	150	120	230	3	G	10	10	F	120	SV736GF02V3BV1
	1/16	1/16	0.08	0.08	120	100	120	100	120	100	230	3	G	10	10	F	120	SV736GF02V3BC5
	3/32	3/32	0.18	0.19	75	25	75	25	75	25	230	3	G	10	10	F	120	SV736GF02V3BC9
	1/8	3/32	0.30	0.23	50	20	50	20	50	20	230	3	G	10	10	F	120	SV736GF02V3AV3

Model Code

S V 7 3 3

G F 0 2 V 2 A V 1

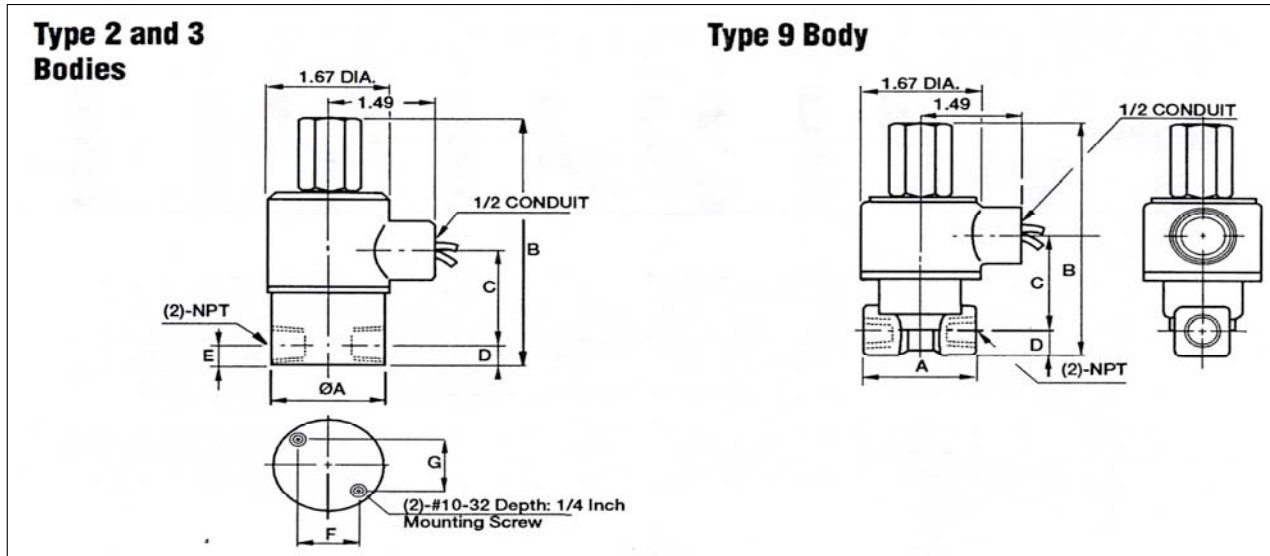
1-2-3-4-5		6	7	8-9		10	11	12	13-14		15
Series	Operating Mode	Housing	Coil Insulation	Applicable Voltage		Seat Material	Body Code	Pipe Connection	Orifice Size Body x Top	Option	
SV733	Normally Closed	A= Conduit	F= Class F	02=	120V/60HZ 110V/50HZ	V= Viton	2= S.S. (1/8" NPT)	A= 1/8	V1= 3/64x1/16	K=	Mounting Bracket
SV734	Normally Open	P= Open Frame	H= Class H	04=	220V/60HZ 220V/50HZ	N= Buna N	3= S.S.(1/4" NPT)	B= 1/4	C5= 1/16x1/16	N=	Neon Lamp with surge supressor
SV736	Universal	B= Grommet		01=	24V/60HZ	T= Teflon	9= Brass		C9= 3/32x3/32	Z=	Surge Supressor
		X= Explosion Proof NEMA 7		15=	12V DC				V3= 1/8x3/32	N and Z apply to housing with terminals only	
		S= Junction Box		16=	24V DC				V9= 3/16x3/32		
		G= Watertight NEMA 4							V5= 1/8x1/16		
									W1= 1/4x3/32		

Coil Data

Model	SV733	SV734	SV736
Frequency (HZ)	60	60	60
Power (VA)	Inrush	46.2	46.2
	Holding	19.8	19.8
Power Consumption (W)	AC	10*	10*
	DC	Class F= 10, Class H= 9	

*Explosion proof models are rate at 11 watts

External Dimensions



Body Code	Pipe Conn.	A	B	C	D	E	F	G	Weight (lbs.)
2	1/8	1.22	3.48	1.63	0.29	0.29	0.61	0.73	1.00
3	1/4	1.56	3.80	1.66	0.34	0.34	0.88	0.88	1.20
9	1/8	1.63	3.60	1.63	0.37	na	na	na	1.00
9	1/4	1.63	3.84	1.71	0.37	na	na	na	1.20

Units:inch



Valcor Scientific

Valcor Engineering Corporation®

2 Lawrence Road • Springfield, New Jersey 07081

973-467-8400 • Fax: 973-467-9592

valcorscientific@valcor.com • www.valcor.com

© 2002 Valcor Engineering Corporation® Printed in USA

Scientific Business Unit