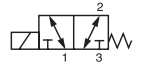
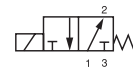
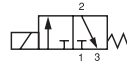


SV733, SV734, & SV736

3-way Normally Closed, Normally Open and Universal
Direct Acting Solenoid Valves



Valcor General Purpose Series



DESCRIPTION

These compact 3-way direct acting solenoid valves are available in normally open, normally closed, and universal operating modes. They range from 1/8" to 1/4" port sizes with orifice sizes of 3/64" to 1/4". These sturdy construction valves are designed to handle a wide variety of fluids with an operating pressure range of 0 PSI up to 200 PSI. For special applications, please contact your Valcor customer service representative.

APPLICATIONS

The SV73 series are suitable for a broad range of industrial applications. Typical applications include:

- General 3 way control of water, oil, and gas
- Fluid and gas diverting and mixing
- Pneumatic and hydraulic cylinder actuation
- Calibration and test stands
- Pilot plant control loops
- Economical choice for OEM applications

FEATURES

- Direct acting construction designed for high cycle life
- Wide selection of construction materials allow for use on a variety of fluids
- AC and DC solenoid coils in a wide range of standard voltages
- NEMA4 as standard coil enclosure, NEMA7 explosion proof and others available
- Pressure ratings of up to 200 psi
- Mountable in any position



VALCOR SV733, SV734 & SV736 SERIES SPECIFICATIONS

Construction

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.
Port Size (in.)	1/8, 1/4
Orifice Size (in.)	3/64, 1/16, 3/32, 1/8, 3/16, 1/4
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	Mounts in any position (Best position is solenoid upright and vertical)
Agency Listings	UL listed, CSA approved by order
Options	Neon lamp, surge suppressor

Valve Parts in Contact with Fluid

Body	303 Stainless steel, brass
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
Coil Housings	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		SV733	SV734	SV736
Frequency (Hz)		60	60	60
Power (VA)	Inrush	46.2	46.2	46.2
	Holding	19.8	19.8	19.8
Power Consumption (W)	AC	10*	10*	10*
	DC	Class F= 10, Class H= 9		

*Explosion proof models are rated at 11 watts

VALCOR SV733, SV734 & SV736 SERIES SPECIFICATIONS

Specification for SV733 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							
	Body	Top	Body	Top	Air/ Gas		Water/Lt. Oil			SS Body Standard							
					Min PSI	AC	DC	AC		DC							
Normally Closed																	
						Energized						De-Energized					
1/8	3/64	1/16	0.05	0.10	0	200	200	200	200	230	SV733GF02V2AV1						
	1/16	1/16	0.08	0.10	0	150	150	150	150	230	SV733GF02V2AC5						
	3/32	3/32	0.18	0.23	0	100	100	100	100	230	SV733GF02V2AC9						
	1/8	3/32	0.30	0.23	0	75	75	75	75	230	SV733GF02V2AV3						
	3/16	3/32	0.53	0.23	0	30	30	30	30	230	SV733GF02V2AV9						
1/4	3/64	1/16	0.05	0.10	0	200	200	200	20	230	SV733GF02V3BV1						
	1/16	1/16	0.08	0.10	0	150	150	150	150	230	SV733GF02V3BC5						
	3/32	3/32	0.18	0.23	0	100	100	100	100	230	SV733GF02V3BC9						
	1/8	3/32	0.30	0.23	0	75	75	75	75	230	SV733GF02V3BV3						
	3/16	3/32	0.53	0.23	0	30	30	30	30	230	SV733GF02V3BV9						

Specification for SV734 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							
	Body	Top	Body	Top	Air/ Gas		Water/Lt. Oil			SS Body Standard							
					Min PSI	AC	DC	AC		DC							
Normally Open																	
						Energized						De-Energized					
1/8	1/8	1/16	0.36	0.10	0	125	120	125	120	230	SV734GF02V2AV5						
	1/8	3/32	0.36	0.20	0	75	25	75	25	230	SV734GF02V2AV3						
1/4	1/8	1/16	0.36	0.10	0	125	120	125	120	230	SV734GF02V3BV5						
	1/8	3/32	0.36	0.20	0	75	25	75	25	230	SV734GF02V3BV3						
	1/4	3/32	0.80	0.20	0	75	20	75	20	230	SV734GF02V3BW1						

Specification for SV736 Universal

Port Size (NPT) (in.)	Orifice Size (in.)		C _v		Operating Pressure Differential				Max Fluid Temp °F	Model Number							
					Max Pressure (PSI)					Universal							
	Body	Top	Body	Top	Air/ Gas		Water/Lt. Oil			SS Body Standard							
					Min PSI	AC	DC	AC		DC							
Universal																	
						Energized						De-Energized					
1/8	3/64	1/16	0.05	0.08	0	150	120	150	120	230	SV736GF02V2AV1						
	1/16	1/16	0.08	0.08	0	120	100	120	100	230	SV736GF02V2AC5						
	3/32	3/32	0.18	0.19	0	75	25	75	25	230	SV736GF02V2AC9						
	1/8	3/32	0.30	0.23	0	50	20	50	20	230	SV736GF02V2AV3						
1/4	3/64	1/16	0.05	0.08	0	150	120	150	120	230	SV736GF02V3BV1						
	1/16	1/16	0.08	0.08	0	120	100	120	100	230	SV736GF02V3BC5						
	3/32	3/32	0.18	0.19	0	75	25	75	25	230	SV736GF02V3BC9						
	1/8	3/32	0.30	0.23	0	50	20	50	20	230	SV736GF02V3AV3						

*Class H Coil Recommended for Steam and Other High Temperature Applications

VALCOR SV733, SV734 & SV736 SERIES SPECIFICATIONS

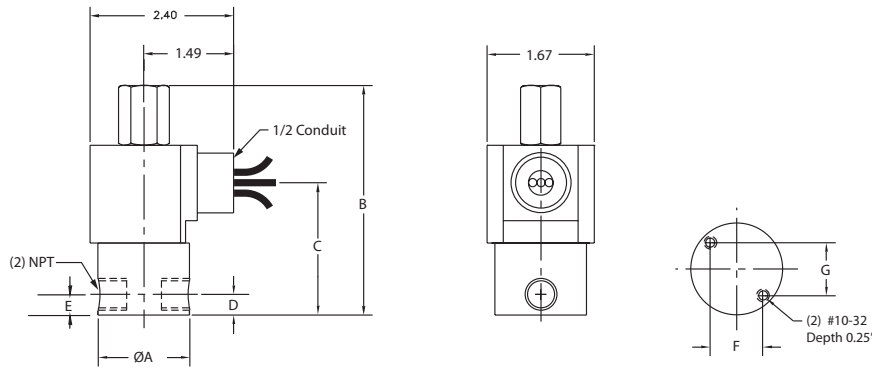
Part Number Configurator

Example Part Number: **SV733GF02V2A** **V1**



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 Body x Top (in.)		Option
SV733	Normally Closed	A Conduit	F Class F	02	120V/60Hz 110V/50Hz	N Buna N	2 SS 1/8" NPT	A 1/8	V1	3/64x1/16	N Neon Lamp with surge suppressor
		P Open Frame	H Class H	04	220V/60Hz 220V/50Hz	V Viton	3 SS 1/4" NPT	B 1/4	C5	1/16x1/16	
SV734	Normally Open	B Grommet		01	24V/60Hz	T PTFE	9 Brass		C9	3/32x3/32	Z Surge Suppressor
SV736	Universal	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 Water-tight NEMA 4						V5	1/8x1/16		
		Y DIN						W1	1/4x3/32		

External Dimensions



Body Code	Port Conn. (in.)	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