

OMEGA-FLO® 2-WAY GENERAL PURPOSE SOLENOID VALVES

1/8 to 1/4 NPT

SV-300 Series



- ✓ Ideal for Natural Gas, Air, and Water
- ✓ Available in Brass or Stainless Steel
- ✓ Temperature Range to 90°C (194°F)
- ✓ 120 Vac Standard (DC Optional)

The SV-300 Series 2-way solenoid valves have a brass or stainless steel body and seat, stainless steel valve internals, and Viton® seal material. Temperature range is -10 to 90°C (14 to 194°F). These valves are ideal for neutral media such as compressed air, natural gas, water, and hydraulic oil (viscosity of approximately 2.3×10^{-4} ft²/s).

Specifications

Mounting Position: Any (preferably with the solenoid system upright)

Max Ambient Temp: 54°C (130°F)

Voltage Tolerance: ±10%

Power Consumption (in Warm State):

AC: 21 (inrush); 12 VA/8 W (hold)

DC: 8 W

Opening Time (ms): Approx. 20, depending on pressure

Closing Time (ms): Approx. 30

Cycling Rate: Approx. 1000 cpm

(Times measured at outlet A on energizing/de-energizing until attainment of pressure rise to 90%/pressure drop to 10% at a working pressure of 85 psi.)

Duty Cycle:

Continuous (100%)

FM Approvals:

Non-incendiary for hazardous locations Class I Div. 2 Group A, B, C, D; Class II Div. 2 Group F, G; Class III Div. 1 and 2; Operating Temperature T4A



Options (no additional charge)

Ordering Suffix	Description
-24VDC	24 Vdc operation
-12VDC	12 Vdc operation
-240VAC	240 Vac operation
-BUNA	Buna-N seal

Options not available on all models.

To Order							
Model No.	Port Conn. (NPT)	C _v	Pressure Range (psi) ¹		Maximum Allow. Back Pressure (psi)	Orifice Dia. (inch)	Body Material
			AC	DC			
Normally Closed Valve							
SV-301	1/8	0.14	0 to 355	0 to 230	70	5/64	BR
SV-302	1/8	0.14	0 to 355	0 to 230	70	5/64	SS
SV-303	1/4	0.14	0 to 355	0 to 230	70	5/64	BR
SV-304	1/4	0.14	0 to 355	0 to 230	70	5/64	SS
SV-305*	1/8	0.19	0 to 230	0 to 140	50	7/64	BR
SV-306	1/8	0.19	0 to 230	0 to 140	50	7/64	SS
SV-307	1/8	0.27	0 to 140	0 to 85	35	1/8	BR
SV-308	1/8	0.27	0 to 140	0 to 85	35	1/8	SS
SV-309	1/4	0.37	0 to 55	0 to 20	9	5/32	BR
SV-310	1/4	0.37	0 to 55	0 to 20	9	5/32	SS
SV-311	1/4	0.82	0 to 20	0 to 7	4	1/4	BR
SV-312	1/4	0.82	0 to 20	0 to 7	4	1/4	SS
Normally Open Valve							
SV-321	1/8	0.14	0 to 170		70	5/64	BR
SV-322	1/4	0.14	0 to 170		70	5/64	BR
SV-323*	1/8	0.19	0 to 115		50	7/64	BR
SV-324	1/4	0.19	0 to 115		50	7/64	BR
SV-325	1/8	0.27	0 to 85		35	1/8	BR
SV-326	1/4	0.27	0 to 85		35	1/8	BR

¹ Also suitable for vacuum down to 38 torr.

* The SV-305 and SV-323 are not UL listed.

Comes with complete operator's manual.

Ordering Examples: SV-303, normally closed valve, 0.14 C_v. SV-303-24VDC, normally closed valve with 24 Vdc coil.