

OMEGA-FLO® 2-WAY STEAM SOLENOID VALVES ½ to 2 NPT

SV-400 Series



- ✓ Works for Steam or Hot Water
- ✓ Temperatures up to 180°C (356°F)
- ✓ Zero Differential Pressure
- ✓ 120 Vac Operation
- ✓ Normally Closed

SV-400 Series 2-way solenoid valves are internally piloted, with a piston, forced lifting, and an epoxy-encapsulated coil. The valve opens fully from 0 psi pressure differential. These valves have a brass body, stainless steel valve seats, PTFE sealing materials for the main seat, and a temperature range from 0 to 180°C (32 to 356°F). They are ideal for neutral media such as steam and hot water; for use on the vacuum side of autoclaves; and in the textile, plastics, and woodworking industries.

SPECIFICATIONS

Mounting Position:

Any (preferably with solenoid system upright)

Maximum Ambient Temperature: 54°C (130°F)

Voltage Tolerance: ±10%

Cycling Rate: Approx. 60 cpm

Duty Cycle: Continuous (100%)

Power Consumption

Orifice Size	Inrush	Hold
½ to 1½"	120 VA	35 VA/16 W
2"	28 W	28 W

Response Times

Orifice Size	Opening Time (ms)	Closing Time (ms)
½ to 1"	100 to 200	300 to 500
1½ to 2"	200 to 1200	1000 to 3000

Note: Response times are measured with water at an operating pressure of 85Apsi. They depend on the nominal size of the valve as well as on the pressure and viscosity of the medium.



SV-403 shown actual size.

Normally Closed Valve

To Order

Model No.	Port Connection (NPT)	Cv	Pressure Range (psi)	Orifice Diameter	Weight kg (lb)	Body Material
SV-401	½	4.3	0 to 140	½"	1.0 (2.2)	Brass
SV-402	¾	5.8	0 to 140	¾"	1.4 (3.1)	Brass
SV-403	1	11.7	0 to 140	1"	1.9 (4.2)	Brass
SV-405*	1½	19.0	0 to 140	1½"	3.6 (8.0)	Brass
SV-406*	2	42.0	0 to 140	2"	7.8 (17.2)	Brass

1 Also suitable for vacuum down to 38 Torr.

* Only the SV-401, SV-402 and SV-403 are UL listed.

Comes complete with operator's manual.

Ordering Examples: SV-403, 1 NPT brass valve, for 1" orifice.

SV-406, 2 NPT brass valve, for 2" orifice.