

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

SV-400 Series  
Starts at

**\$426**



SV-403, \$827,  
shown actual size.

- 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)

**Max Ambient Temp:** 54°C (130°F)

**Voltage Tolerance:** ±10%

### 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 85 psi. They depend on the nominal size of the valve as well as on the pressure and viscosity of the medium.*

**Cycling Rate:** Approx. 60 cpm

**Duty Cycle:** Continuous (100%)

Normally Closed Valve

**MOST POPULAR MODEL HIGHLIGHTED!**

## To Order (Specify Model Number)

Model No.	Price	Port Connection (NPT)	Cv	Pressure Range <sup>1</sup> (psi)	Orifice Diameter	Weight kg (lb)	Body Material
SV-401	\$426	½	4.3	0 to 140	½"	1.0 (2.2)	Brass
SV-402	457	¾	5.8	0 to 140	¾"	1.4 (3.1)	Brass
SV-403	827	1	11.7	0 to 140	1"	1.9 (4.2)	Brass
SV-405*	951	1½	19.0	0 to 140	1½"	3.6 (8.0)	Brass
SV-406*	1032	2	42.0	0 to 140	2"	7.8 (17.2)	Brass

<sup>1</sup> 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, \$827.

SV-406, 2 NPT brass valve, for 2" orifice, \$1032.

# omega.co.uk<sup>®</sup>

Your One-Stop Source for Process Measurement and Control!

Freephone 0800 488 488 | International +44(0) 161 777 6622 | Fax +44(0) 161 777 6622 | Sales@omega.co.uk

[www.omega.co.uk](http://www.omega.co.uk)



#### UNITED STATES

[www.omega.com](http://www.omega.com)

1-800-TC-OMEGA

Stamford, CT.

#### UNITED KINGDOM

[www.omega.co.uk](http://www.omega.co.uk)

Manchester, England

0800-488-488

+44-(0)161-777-6611

#### CANADA

[www.omega.ca](http://www.omega.ca)

Laval(Quebec)

1-800-TC-OMEGA

#### FRANCE

[www.omega.fr](http://www.omega.fr)

0800-466-342

#### GERMANY

[www.omega.de](http://www.omega.de)

Deckenfronn, Germany

0800-8266342

#### BENELUX

[www.omega.nl](http://www.omega.nl)

0800-099-33-44



## More than 100,000 Products Available!

### • Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders, Relative Humidity Measurement Instruments, PT100 Probes, PT100 Elements, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples, Thermowells and Head and Well Assemblies, Transmitters, Thermocouple Wire, RTD Probes

### • Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

### • pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

### • Data Acquisition

Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485, Ethernet and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

### • Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

### • Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters