



2-WAY ANTI-WATERHAMMER SOLENOID VALVES

SV290 Series

Starts at
\$390



- ✓ Durable Brass Valve Body
- ✓ Adjustable Closing Time
- ✓ Rugged NEMA 4 (IP65) Housing
- ✓ Mounts in Any Position
- ✓ Rated for Continuous Use

TYPICAL APPLICATIONS

- ✓ Water Treatment
- ✓ Irrigation
- ✓ Cooling
- ✓ Car Washing Equipment
- ✓ Petroleum Processing
- ✓ Dish and Bottle Washing

The SV291 through SV295 Series valves are 2-way, pilot operated, anti-waterhammer, and normally open. These valves are designed to reduce or control waterhammer, which typically occurs with incompressible fluids when the closing of a valve creates a sudden change of the fluid velocity. Restriction of the pilot flow in these valves will prevent them from slamming closed. Valve and piping system life is enhanced since the noise, vibration, and shock of waterhammer are reduced.

Where small flows ($C_v < 3.0$) at relatively low pressure differentials are present, the waterhammer is eliminated by the fixed restriction of

the pilot flow. This is the standard design for the industry. However, to reduce waterhammer in high-flow applications, a unique field adjustment device can effectively control the waterhammer in an application. The closing time on these valves can be adjusted by a 4-position selector. Position 1 allows the fastest closing, position 4 the slowest.



SV292, \$515, shown larger than actual size.

SPECIFICATIONS

Operation: Pilot operated

Wetted Parts: Brass, stainless steel, copper, and seal

Medium: Liquid or gases

Max Static Pressure: 5 times max psid

Ambient Temp: -9 to 50°C (15 to 122°F)

Mounting: Pipe mounting, any direction

Power: 10 W, 120 Vac, Class F

PILOT-OPERATED, NORMALLY OPEN, BRASS VALVE BODY, 2-WAY ANTI-WATERHAMMER SOLENOID VALVES



SV291 to SV295

Dimensions: in

VALVE	H	P	C	L	W
SV291	4.75	3.86	2.84	3.94	2.75
SV292	4.75	3.86	2.84	3.94	2.75
SV293	5.41	4.11	3.09	4.33	2.75
SV294	5.66	4.37	3.35	5.51	3.90
SV295	6.25	4.60	3.58	5.91	3.90

 MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

MODEL NO.	PRICE	NPT FITTING	ORIFICE	C _v	SEAL	DIFF PRES (psid)		TEMP		RESPONSE TIME	
						MIN	MAX	°C	(°F)	OPEN	CLOSE
SV291	\$390	¾	¾	9.6	Buna-N	5	230	85	(185)	100 to 250 ms	0.6 to 4.5 s
SV292	515	1	1	12.5	Buna-N	5	230	85	(185)	100 to 250 ms	0.5 to 4.5 s
SV293	530	1¼	1⅛	19.3	Buna-N	5	230	85	(185)	250 to 500 ms	0.8 to 5.8 s
SV294	740	1½	1⅙	29.0	Buna-N	5	170	85	(185)	250 to 400 ms	1.5 to 9.0 s
SV295	920	2	1⅙	38.6	Buna-N	5	170	85	(185)	250 to 450 ms	1.5 to 9.5 s

ACCESSORIES

MODEL NO.	PRICE	DESCRIPTION
SVCOIL-110AC	\$45	Replacement coil, 110 Vac
SVCOIL-220AC	50	Replacement coil, 220 Vac
SVCOIL-24VDC	50	Replacement coil, 24 Vdc
MS-1783	112	Reference Book: Bottom-Line Automation

Note: Some solenoid valves are available with 24 Vdc coils. Five piece minimum order. UL approval is not available with 24 Vdc coils. Specifications effected; pressure ratings may decrease; coil wattage ratings may increase. Consult Engineering.

Ordering Examples: SV291, 2-way, anti-waterhammer, pilot-operated, brass body NO valve with ¾ NPT fittings and Buna-N seal, \$390. SV295, 2-way, anti-waterhammer, pilot-operated, brass body NO valve with 2 NPT fitting and Buna-N seal, \$920.



omega.co.uk[®]

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



UNITED STATES

www.omega.com

1-800-TC-OMEGA
Stamford, CT.

UNITED KINGDOM

www.omega.co.uk

Manchester, England
0800-488-488
+44-(0)161-777-6611

CANADA

www.omega.ca

Laval(Quebec)
1-800-TC-OMEGA

FRANCE

www.omega.fr

0800-466-342

GERMANY

www.omega.de

Deckenfronn, Germany
0800-8266342

BENELUX

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