

2-WAY ANTI-WATERHAMMER SOLENOID VALVES

SV290 Series







- 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.

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

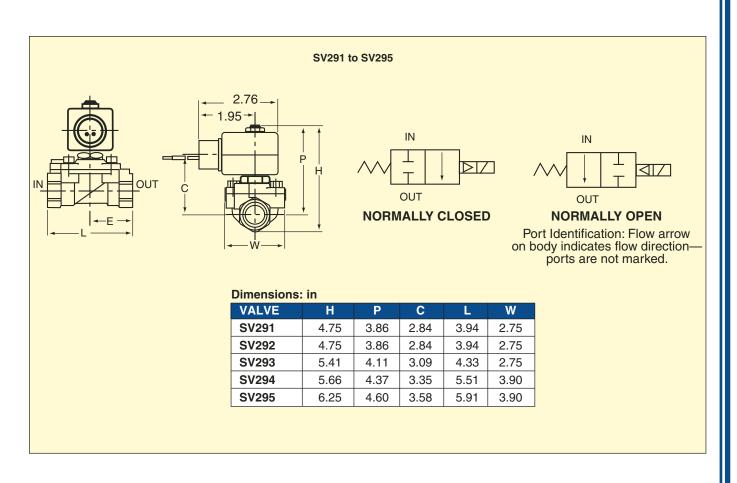
(15 to 122°F)

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





MOST POPULAR MODELS HIGHLIGHTED!

| To Order (Specify Model Number) | | | | | | | | | | | |
|---------------------------------|-------|---------|--------------------------|------|--------|------------------|-----|------|-------|---------------|--------------|
| | | NPT | | | | DIFF PRES (psid) | | TEMP | | RESPONSE TIME | |
| MODEL NO. | PRICE | FITTING | ORIFICE | Cv | SEAL | MIN | MAX | °C | (°F) | OPEN | CLOSE |
| SV291 | \$390 | 3/4 | 3/4 | 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 | 11/4 | 11% | 19.3 | Buna-N | 5 | 230 | 85 | (185) | 250 to 500 ms | 0.8 to 5.8 s |
| SV294 | 740 | 11/2 | 1 % ₁₆ | 29.0 | Buna-N | 5 | 170 | 85 | (185) | 250 to 400 ms | 1.5 to 9.0 s |
| SV295 | 920 | 2 | 1 % ₁₆ | 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.

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