

OMEGA-FLO® PVC SOLENOID VALVES FOR CORROSIVE APPLICATIONS

1/2 to 2 NPT

SV-10 Series
Starts at

\$530



- ✓ Ideal for Corrosive or Ultra-Pure Processes
- ✓ Single Power Operation
- ✓ Simple Installation
- ✓ Low-Noise Levels
- ✓ Tight Shut-Off
- ✓ Manual Override Standard
- ✓ Normally Closed

The SV-10 Series solenoid valves for corrosive applications use only plastic or elastomeric materials: PVC for the body, EPDM (standard) and FKM (optional) for isolating and main diaphragms, and a fully epoxy-encapsulated pilot solenoid actuator. The pilot actuator has a pivoted armature design, which hermetically isolates the fluid medium from the armature. The magnetic forces generated are optimized mechanically using the lever principle.

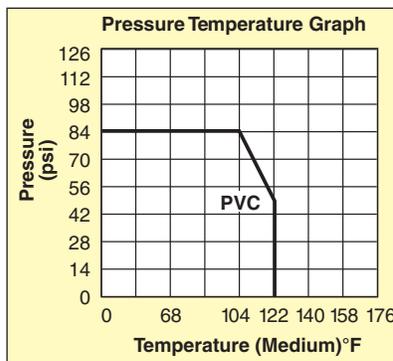
The design of these valves reduces noise and the likelihood of water hammer. The main seat seal is a stable, long-lasting flat diaphragm that provides a tight shut-off at the valve seat. SV-10 Series valves are ideally suited for the control of difficult fluids, such as pure water, demineralized water, seawater, acids of medium concentration, salt solutions, and alkaline washing and bleaching dyes.

SPECIFICATIONS

- Mounting Position:** Any (preferably coil uppermost)
- Material:** PVC Body and internals
- Max Ambient Temp:** 40°C (104°F)
- Max Viscosity:** Approx. 2.3×10^{-4} ft²/s
- Coil Voltage:** 120 Vac
- Voltage Tolerance:** ±10%
- Power Consumption (in Warm State):**
AC: 20 VA (inrush); 11 VA/5 W (hold)
DC: 5 W
- Opening Time:** 100 to 800 ms
- Closing Time:** 1000 to 4000 ms
- Response times are measured at nominal pressure of 85 psi using water and depend on orifice and operation of the valve as well as on pressure and viscosity of the medium.*
- Cycling Rate:** Approx. 10 to 50 cpm
- Duty Cycle:** Continuous (100%)
- Electrical Connection:** F-type connector



SV-11, \$540, shown smaller than actual size.



Recommended Reference Book:
Valve Handbook,
FW-306, \$125.
See Section Y for Additional Books

Normally Closed Valves

MOST POPULAR MODEL HIGHLIGHTED!

| To Order (Specify Model Number) | | | | | | |
|---------------------------------|--------------|-----------------------|------|------------------|----------------------|----------------|
| Model No. | Price | Port Connection (NPT) | Cv | Orifice Diameter | Pressure Range (psi) | Weight kg (lb) |
| SV-11 | \$540 | 1/2 | 5.8 | 9/16" | 7 to 85 | 0.6 (1.4) |
| SV-12 | 530 | 3/4 | 7.0 | 3/4" | 7 to 85 | 0.8 (1.8) |
| SV-13 | 545 | 1 | 16.3 | 1" | 7 to 85 | 1.2 (2.6) |
| SV-14 | 713 | 1 1/4 | 18.6 | 1 1/4" | 7 to 85 | 1.2 (2.6) |
| SV-15 | 700 | 1 1/2 | 35.0 | 1 1/2" | 7 to 85 | 2.2 (4.9) |
| SV-16 | 905 | 2 | 41.9 | 2" | 7 to 85 | 2.2 (4.9) |

Comes complete with operator's manual and mating connector.
To order with normally open contacts, add suffix "-NO" to model number, no extra charge.
Ordering Examples: SV-11, 1/2 NPT PVC solenoid valve, for 9/16" orifice, \$540.
SV-13-NO, 1 NPT PVC solenoid valve, for 1" orifice, normally open, \$545.

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