

OMEGA-FLO® 2-WAY ZERO DIFFERENTIAL SOLENOID VALVES

1/2 TO 2 1/2 NPT

SV-350 Series



- ✓ Zero Differential Pressure Ideal for Gravity Feed Processes
- ✓ Available in Brass or Stainless Steel
- ✓ Process Temperature Range to 130°C (266°F)
- ✓ Normally Closed

SV-350 Series 2-way solenoid valves are internally piloted, with a diaphragm and forced lifting that open fully from 0 psi pressure differential. Their brass or stainless steel bodies and FKM seal material allow for high flow rates. A temperature range of -10 to 130°C (14 to 266°F) makes these valves ideal for neutral media such as water, compressed air, and hydraulic oil (viscosity of approximately 2.3×10^{-4} ft²/s). Electrical connection is by conduit plug.



SV-355 shown smaller than actual size.

SPECIFICATIONS

Mounting Position: Any (preferably with solenoid system upright)

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

Operating Voltage: 120 Vac

Voltage Tolerance: ±10%

Power Consumption in Warm State:

Opening Time (ms): 100 to 1000

Closing Time (ms): 700 to 4000 (switching times are measured using water and are dependent on valve orifice size and fluid pressure and viscosity)

Cycling Rate: Approx. 10 to 20 cpm

Duty Cycle: Continuous (100%)

Normally Closed Valve

Orifice Size	Inrush	Hold
7/16"	80 W	6 W
3/4 to 1 1/2"	100 W	9 W
2 to 2 1/2"	28 W	28 W

To Order					
Model No.	Port Connection (NPT)	Cv	Range (psi) ¹	Orifice Diameter	Body Material
SV-351	1/2	3.3	0 to 230	7/16"	BR
SV-352	1/2	3.3	0 to 230	7/16"	SS
SV-353	3/4	5.8	0 to 230	3/4"	BR
SV-355	1	11.7	0 to 230	1"	BR
SV-356	1	11.7	0 to 230	1"	SS
SV-359*	2	44	0 to 170	2"	BR

¹ Also suitable for vacuum down to 38 Torr.

* The SV-359 is not UL listed.

Comes complete with operator's manual.

Ordering Examples: SV-351, 1/2 NPT brass valve.

SV-353 3/4 NPT brass valve.