

OMEGA-FLO® 4-WAY SOLENOID VALVES FOR PNEUMATICS

1/4 NPT

SV-1801A



- Ideal for Double Acting Cylinders
- Manual Override Standard
- 120 Vac Standard (DC Optional)
- Low Power

OMEGA's Model SV-1801A 4-way solenoid valve is an internally piloted poppet valve with epoxy-encapsulated coil, low power consumption, and high cycling rate. It features a high-quality plastic body with molded-in threaded bushings. Manual override is standard. Seal material is Buna-N. Temperature range is from -10 to 60°C (14 to 140°F). The valve is ideal for use with compressed air to actuate medium-sized cylinders and actuators. Electrical connection is by conduit plug.

SPECIFICATIONS

Mounting Position: Any (preferably with solenoid systems upright)

Max. Ambient Temp: 54° C (130° F)

Voltage Tolerance: ±10%

Power Consumption in Warm State:

AC: 3.5 Va/2 W

DC: 2 W

Opening Time (msec): Approx. 50

Closing Time (msec): Approx. 30

Cycling Rate: 100-500 cpm (depending on operating pressure)

Duty Cycle: Continuous (100%)

FM Approvals: Nonincendiary for hazardous locations Class I Div. 2 Group A, B, C, D; Class II Div. 2 Group F, G; Class III Div. 1 and 2, Operating Temperature T4A



SV1801A shown actual size.

Option (no additional charge)

Ordering Suffix	Description
-24VDC	24 Vdc operation

To Order

Model No.	Port Connection (NPT)	Cv ¹	Pressure Range (psi)	Orifice Diameter	Weight kg (lb)	Body Material
SV-1801A	1/4	0.97	15 to 140	1/4"	0.40 (0.88)	Plastic

¹ A pressure difference of at least 15 psi is required to ensure operation.

Comes with complete operator's manual.

Ordering Example: SV-1801A, plastic valve, 0.97 Cv, 1/4" NPT connection.