

OMEGA-FLO® MINIATURE SOLENOID VALVES

SV-1201



- ✓ **Universal Functions:**
2/2-Way, Backpressure-Tight 3/2-Mixer or Distributor Valve
- ✓ **Low Dead Volume**
- ✓ **High Chemical Resistance**
- ✓ **Hermetic Isolation of Fluid Medium from Actuator**
- ✓ **Compact Design**
- ✓ **Monitoring Via LED**
- ✓ **Simple Electrical Connection**

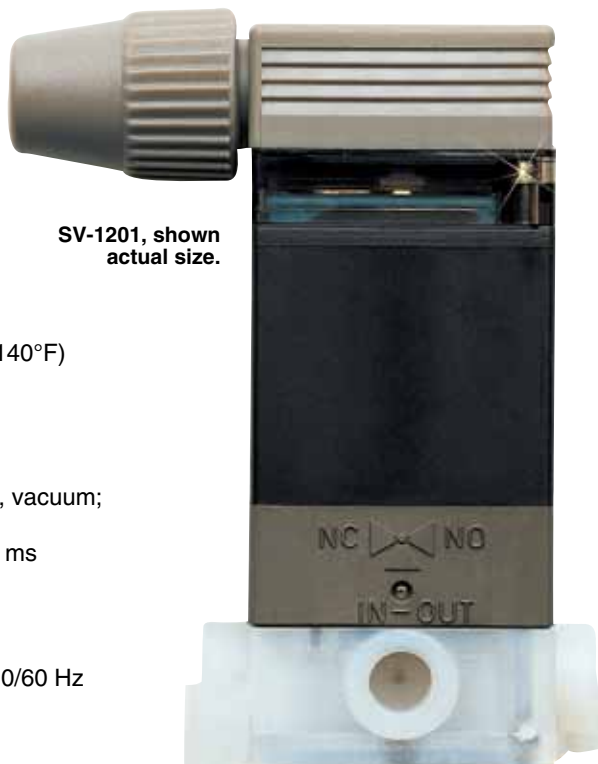
SV-1200 Series miniature solenoid valves are ideal for applications in analysis technology, reliably handling difficult liquids such as acids, bases, pharmaceutical elements, and fluids in biotechnology processes. Thermal isolation of the actuator and fluid ensures accurate measurements for metering applications. A perfluorelastomer separation diaphragm hermetically isolates the fluid medium from the actuator. Other features include universal functions, small size, and simple and fast electrical connection to reduce installation costs. An LED provides safe and convenient monitoring.

SPECIFICATIONS VALVE

Installation: As required
Seal Materials: Perfluorelastomer (Simriz®)
Max Ambient Temp: 60°C (140°F)
Fluid Temperature Range: 9 to 60°C (48 to 140°F)
Orifice: 1/16"
Flow: C_v = 0.07
Pressure Range: 0 to 30 psi, vacuum; 10⁻³ bar on request
Response Time: Approx. 30 ms
Body Connections: 1/8 NPT, 1/4-28 UNF-thread

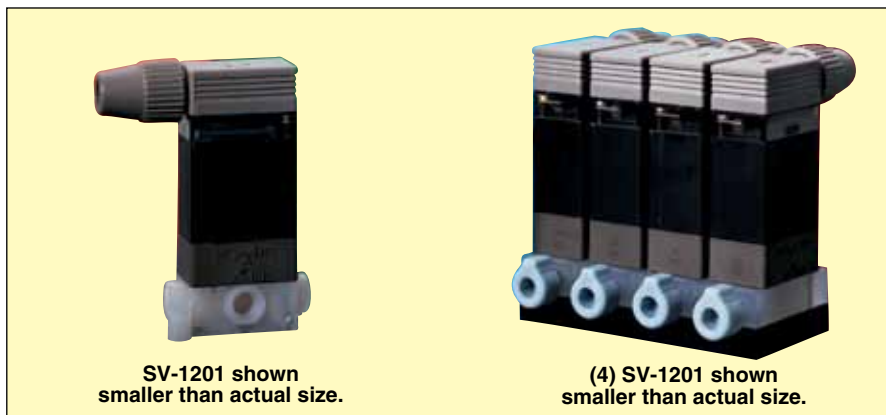
ACTUATOR

Operating Voltage: 110 V, 50/60 Hz
Voltage Tolerance: ±10%
Power Consumption: Approx. 3 W (hold)
Cycling Rate: Approx. 300 cpm
Duty Cycle: 100% continuous, 60% intermittent [with manifold assembly and simultaneous ambient and fluid temperatures >40°C (104°F)]



SV-1201, shown actual size.

Electrical Connection: Cable plug
Dimensions: 68 H x 16 W x 32 mm D (2.7 x 0.6 x 1.3")



SV-1201 shown smaller than actual size.

(4) SV-1201 shown smaller than actual size.

To Order					
Model No.	Connection	Body Material	Seal	Pressure Range (psi)	Back Pressure (psi)
2-Way Valves (Normally Closed)					
SV-1201	1/8 NPT	PVDF	Simriz®	0 to 30	30
SV-1202	UNF 1/4-28"	ETFE	Simriz®	0 to 30	15
3-Way Valves (Normally Open or Closed Depending on Pressure Applied)					
SV-1211	1/8 NPT	PVDF	Simriz®	0 to 30	30
SV-1212	UNF 1/4-28"	ETFE	Simriz®	0 to 30	15

Comes with complete operator's manual.

Ordering Examples: SV-1211, miniature 3-way solenoid valve, 1/8 NPT, PVDF material, 0 to 30 psi pressure and 30 psi back pressure ranges. SV-1201, miniature 2-way solenoid valve, 1/8 NPT, PVDF material, 0 to 30 psi pressure and 30 psi back pressure ranges.