

SV22

Miniature High Flow Solenoid Valve



Valcor Engineering Corporation



DESCRIPTION

The SV22 series 2-way normally closed and 3-way miniature solenoid valves employ a unique spider-spring valving element to control the flow of air and non-corrosive gases and liquids under pressure or vacuum through the valve. The robust stainless steel spider spring and elastomer sealing poppet provides for positive shut-off with extremely fast response times. With a service life of over a billion cycles, high flow rates, and low power consumption, these valves are suitable for many instrumentation applications. They are available in 10-32 manifold mount and cartridge mount bodies, with either spade terminal or pigtail connections. They feature nickel-plated brass bodies with several elastomer seal materials.

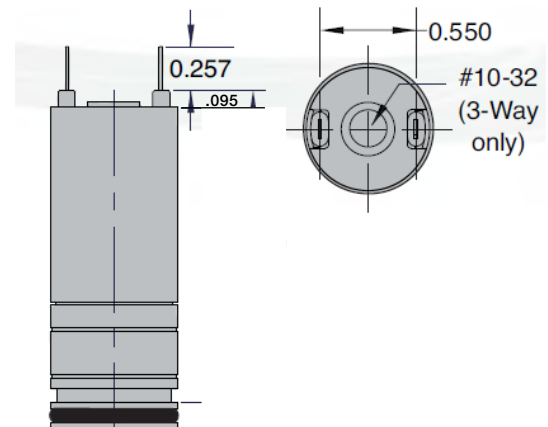
APPLICATION

The SV22 series solenoid valves are ideal for air and non-corrosive gas and liquid applications requiring high speed cycling and exceptionally long service life. Applications include: inert atmosphere packaging, battery powered blood pressure cuff inflation, low volume liquid packaging equipment, vacuum pick and place systems, TIG and MIG shielding gas control, and air bearing pressure control.

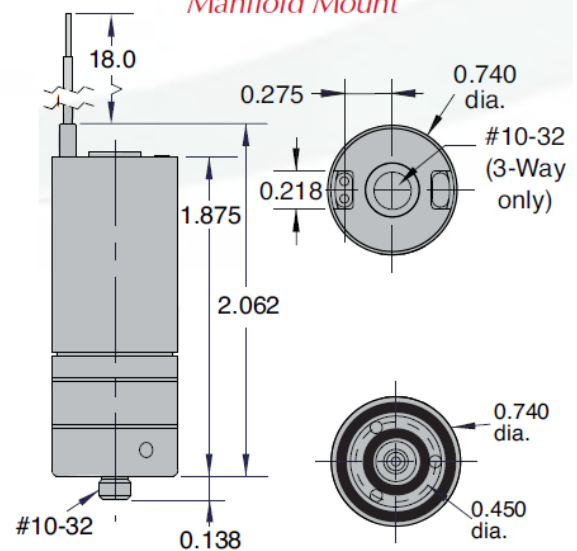
FEATURES

- 100 PSIG maximum pressure
- 28" Hg vacuum
- 100l/Min flow at 100 PSIG inlet pressure
- 10-15 mS response time
- 12 & 24 VDC 1.9 watt coils rated for continuous duty
- 10-32 manifold mount and cartridge mount bodies
- 32 - 130° F media and ambient temperature
- Mountable in any orientation
- Fully customizable for your application

Spade Terminals Cartridge Style



Wire Leads Manifold Mount



Wetted materials - ULTEM™, 430SS, 300SS, NITRILE

*Consult factory for other materials.

Custom designs are our specialty. Contact us today to see how we can help on your next project.

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Specifications



Spade Terminals				
	Manifold Mount	Voltage	Pressure	Wattage
2-Way	SV222S12N	12 VDC	100	1.9
	SV222S24N	24 VDC	100	1.9
	SV222S12N-L	12 VDC	50	1.9
	SV222S24N-L	24 VDC	50	1.9
3-Way	SV223S12N	12 VDC	100	1.9
	SV223S24N	24 VDC	100	1.9



Wire Leads				
	Manifold Mount	Voltage	Pressure	Wattage
2-Way	SV222G12N	12 VDC	100	1.9
	SV222G24N	24 VDC	100	1.9
	SV222G12N-L	12 VDC	50	1.9
	SV222G24N-L	24 VDC	50	1.9
3-Way	SV223G12N	12 VDC	100	1.9
	SV223G24N	24 VDC	100	1.9



Multi-Station Manifolds	
Part Number	
10-6448	2 Position
10-6449	4 Position
10-6450	1 Position

Construction: Black anodized aluminum
Ports: 1/8" NPT
Custom manifolds available. Consult factory.

- Maximum Flow Rate: 100 LPM @ 100 PSIG
- Pressure Range: Vacuum to 100 PSIG
- Temperature Range: 32°F to 130°F
- Response: 10 to 15 Milliseconds
- Seal Material: Nitrile
- Optional Seals: FKM (-V), EPDM (-E), Silicone (-S)
- Wetted Materials: Stainless Steel, Ultem™

• ™Ultem is a trademark of SABIC