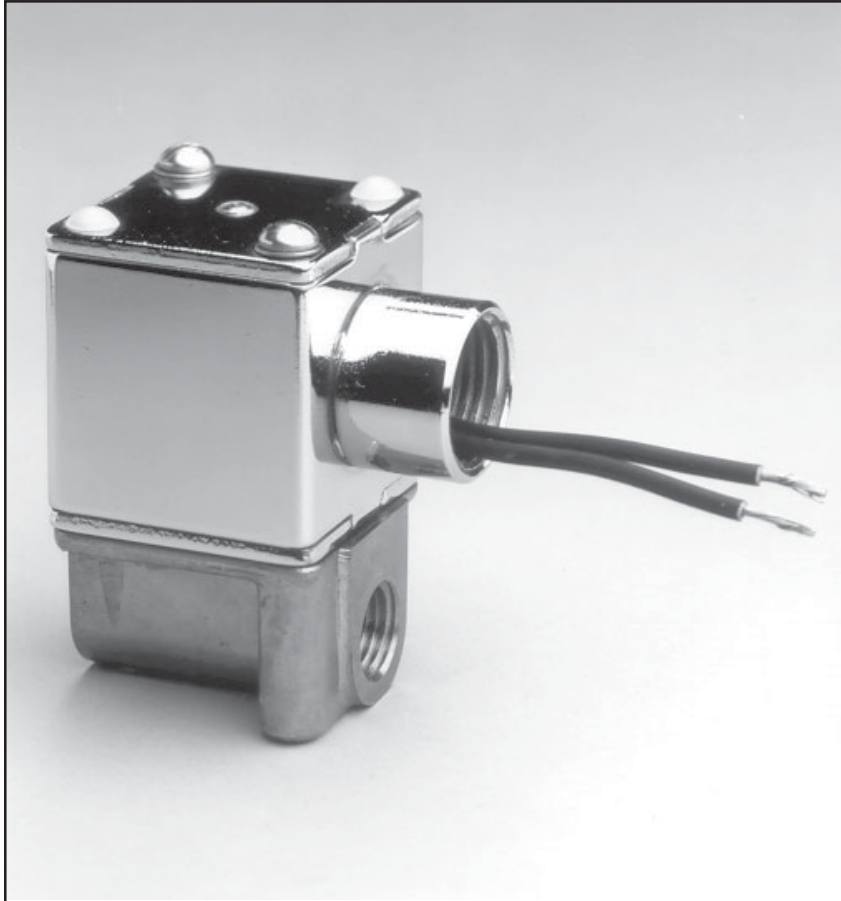


Floating Seal Solenoid Valve

2-Way, Normally Closed

Model: SV12



APPLICATIONS

Model SV12 is suitable for a broad range of light industrial applications, both new and retrofit. Typical applications employing the Model SV12 include:

- Vacuum pumps and air monitors in analytical instrumentation.
- Water control for food/beverage markets.
- Wafer cleaning in semiconductor industry.

FEATURES

- No minimum pressure required for operation.
- Construction designed to minimize fluid contamination problems.
- Compact construction with low pressure drop across the valve.

INTRODUCTION

Valcor Scientific, a Division of Valcor Engineering, has designed and engineered rugged, reliable solenoid operated valves for more than 40 years.

The SV12 Series were specifically engineered to permit the high flow of non-corrosive fluids, light particulate liquids or gases.

DESCRIPTION

The SV12 Series are direct acting, two-way, normally closed solenoid valves. These valves are designed to permit the high flow of non-corro-

sive fluids, light particulate liquids or gases, with no minimum pressure required for operation. They require less than 1 psig minimum pressure differential in the direction of the flow for drip-tight sealing.

Utilizing Valcor's unique Floating Seal design, which uses an optically flat, Teflon® seal disc against an equally flat stainless steel seat.

Because of the straight through flow and self lapping of the disc against the seat, contamination and leakage is minimized.

The SV12 Series is available in two orifice sizes.

SPECIFICATIONS

Size: 2.7" H x 1.6" W x 1.5" D
Weight: 14 oz. (397 g)
Port Connection: 1/4" NPT
Material in Contact with Fluid: .. Brass, Stainless Steel, Teflon®
Buna N and Silver (AC Valves) Viton® (DC Valves)
Coil Construction: UL Class B w/18" Leads (AC Valves)
UL Class H w/10" Leads (DC Valves)
Power: 10 watts (115/60Hz)
15 watts (24 VDC)
Special Requirements: Consult Factory

PERFORMANCE SPECIFICATIONS

Model Number	Orifice Size	C_v	PSIG		Coil	Wattage
			Gas	Liquid		
SV12C19C4-3	1/8"	0.41	225	175	115V/60HZ	10
SV12C56HC4-3	1/8"	0.41	150	100	24VDC	15
SV12C19C4-5	3/16"	0.95	125	175	115V/60HZ	10
SV12C56HC4-5	3/16"	0.95	75	65	24VDC	15

