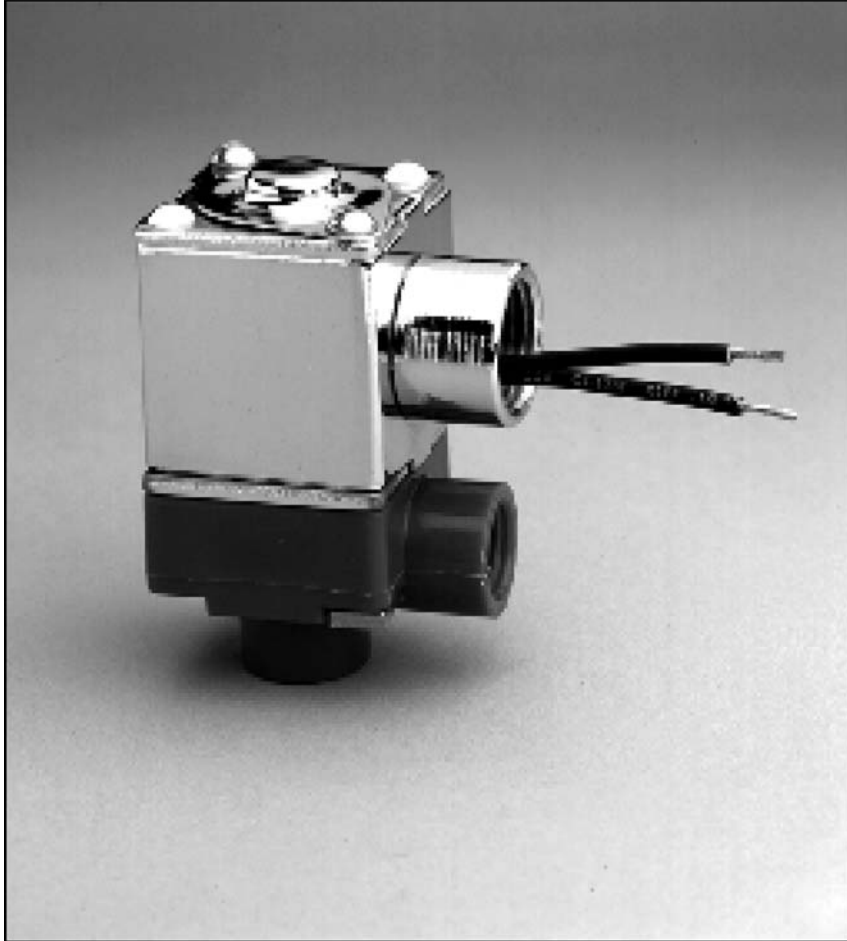


High Purity Solenoid Valve

2-Way, Normally Closed

Model: SV51 Polypropylene



INTRODUCTION

Valcor Scientific, a Division of Valcor Engineering, has designed and engineered rugged, reliable solenoid operated valves for more than 50 years.

The SV51 Series was specifically designed to handle a wide range of fluids that are normally corrosive to the metallic components of solenoid valves.

DESCRIPTION

The SV51 Series are direct acting, two-way, normally closed diaphragm solenoid valves, utilizing

Valcor's Dri-Solenoid™ design, in which a flexible diaphragm is used to isolate the valve's metallic parts from the fluid being handled.

The use of a polypropylene body, and elastomeric diaphragm provides compatibility with a wide range of fluids as well as bubble-tight shut-off. The use of a right angle body provides greater flow for a given orifice size than comparable globe ported valves.

The SV51 Series is available in four orifice sizes.

APPLICATIONS

Model SV51 is suitable for a broad range of light industrial applications, both new and retrofit. Typical applications employing the Model SV51 include:

- Cell counters and protein synthesis in biotechnology.
- Bottle filling machinery.
- Paper rolling, ambient air analyzers, filling machinery, aerosol equipment in industrial applications.
- Photo processing and chemical blending for reprographics.

FEATURES

- Inert construction for use with a wide range of fluids.
- Cost-effective alternative to Teflon® valves.
- Bubble-tight shut-off.
- Higher flow than comparable globe ported valves.
- Mountable in any position.
- Direct acting design.

SPECIFICATIONS

Size: 3.5" H x 2.0" W x 1.5" D
 Weight: 11.4 oz. (325 g)
 Port Connection: 1/4" NPT
 Materials in Contact with Fluid: Polypropylene body, Viton® or EPDM
 Coil Construction: UL Class B w/18" Leads
 Power: 10 Watts (24 VDC or 115/60Hz)
 Special Requirements: Consult Factory

Teflon® is a registered trademark of the DuPont company

PERFORMANCE SPECIFICATIONS

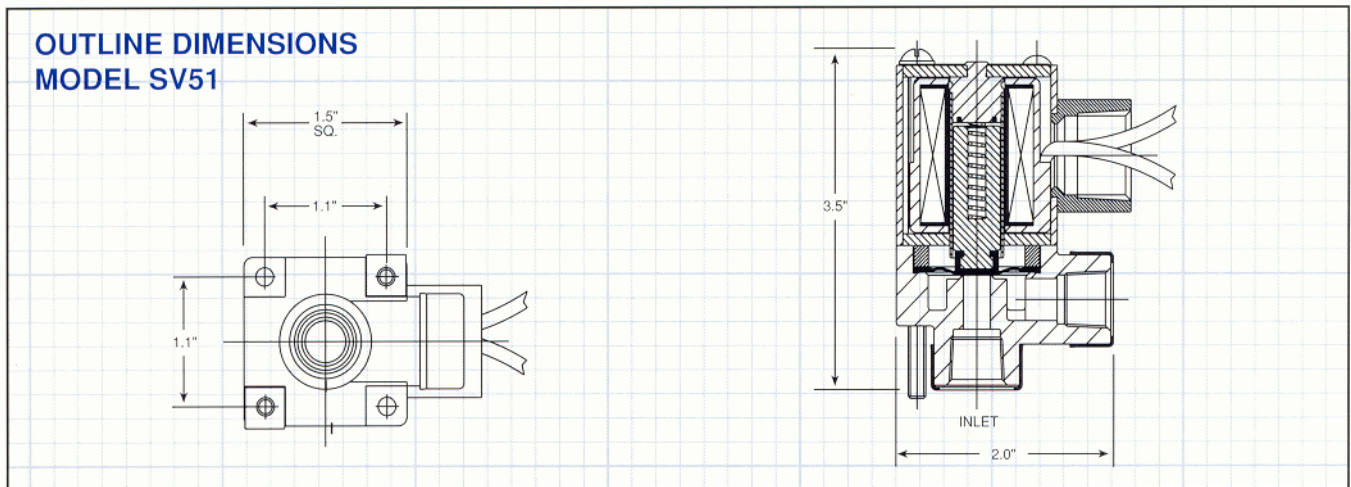
Model Number	Orifice Size	C _v	PSIG		Coil	Watts	Minimum Back Pressure (PSIG) **
			Gas	Liquid			
SV51C19GX4-1	1/16"	0.10	130	125	115v/60Hz	10	6
SV51C56GX4-1*	1/16"	0.10	130	125	24vdc	10	6
SV51C19GX4-3	1/8"	0.40	60	55	115v/60Hz	10	3
SV51C56GX4-3	1/8"	0.40	55	50	24vdc	10	3
SV51C19GX4-6	1/4"	1.00	12	10	115v/60Hz	10	0
SV51C56GX4-6	1/4"	1.00	10	9	24vdc	10	0
SV51C19GX4-8	3/8"	1.90	6	5	115v/60Hz	10	0
SV51C56GX4-8	3/8"	1.90	5	4	24vdc	10	0

Elastomer Code (X): 2 = Viton

8 = EPDM

*Contact Factory for price and availability

** Pressure at Valve discharge port



1

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