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Valcor Scientific

Subminiature Teflon® Valve

2-Way, Normally Closed Solenoid Valve
Model: SV20-1



APPLICATIONS

Model SV20-1 is suitable for a broad range of analytical and light industrial applications, both new and retrofit. Typical applications employing the Model SV20-1 include:

- Reagent control and monitoring in analytical instrumentation.
- DNA and Protein synthesizing in biotechnology.
- Blood-gas and body fluid analyzing in clinical instrumentation.
- Water and gas control in semiconductors.
- Wafer cleaning in semiconductor industry.

FEATURES

- Compact size with low internal volume.
- All TFE Teflon® construction.
- Bubble tight shut-off.
- Low power consumption.
- Life expectancy in millions of cycles.

INTRODUCTION

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

The SV20-1 Series were specifically engineered to handle corrosive or high purity fluids by isolating all metal components from the media.

DESCRIPTION

The SV20-1 Series are direct acting, two-way, normally closed diaphragm solenoid valves. These valves are designed to handle corrosive or high purity fluids by isolating all metal components from the media.

Compact in size, the SV20-1 Series features a small internal volume, which allows them to be used for reagent dispensing, sample extraction and controlling of wash or buffer solutions, etc.

The use of an all TFE Teflon® body and diaphragm provides outstanding chemical resistance and compatibility to a wide range of fluids.

SPECIFICATIONS

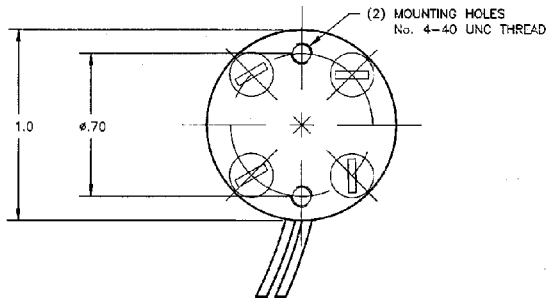
Size: ..... **2.5" H x 1.0" Diameter**
Weight: ..... **4.9 oz. (139 g)**
Port Connection: ..... **1/4-28 flat bottom**
Materials in Contact with Fluid: **TFE Teflon®**
Coil Construction: ..... **UL Class A w/15" Leads**
Power: ..... **2.9 Watts (12/24 VDC)**
2.8 Watts (115/60Hz)
Internal Volume: ..... **.098 cc**
Special Requirements: ..... **Consult Factory**

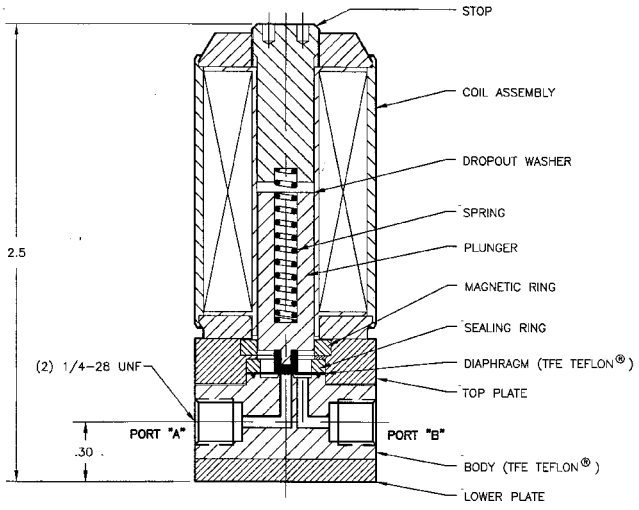
Teflon® is a registered trademark of the DuPont company

PERFORMANCE SPECIFICATIONS

Model Number	Orifice Size	C_v	Configuration	Max. Operating Pressure (PSIG) Outlet to Atmos.		Coil	Watts
				Gas	Liquid		
SV20-1-1	1/16"	0.03	Normally Closed	30	30	12VDC	2.9
SV20-1-2	1/16"	0.03	Normally Closed	30	30	24VDC	2.9
SV20-1-3	1/16"	0.03	Normally Closed	30	30	115v/60Hz	2.8

OUTLINE DIMENSIONS
MODEL SV20-1





Valcor Scientific

Valcor Engineering Corporation®
2 Lawrence Road • Springfield, New Jersey 07081
973-467-8400 • Fax: 973-467-9592
scientific@valcor.com • www.valcor.com

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