SV74M

2-Way Normally Closed Inline Manifold Diaphragm Isolation

Valcor Engineering Corporation

DESCRIPTION

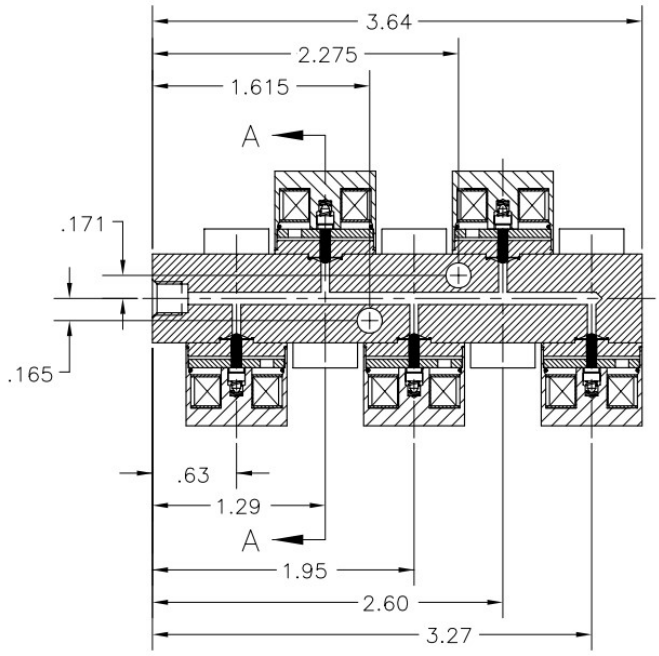
The SV74M series compact Inline Manifolds incorporate our SV74-series valves into a multiple-valve manifold assembly. The valves provide high purity isolation of the media from the valve mechanism by excluding all metal components from the fluid path. Only PTFE or PEEK are in contact with the media. These manifolds handle ultra high purity or extremely corrosive liquids and gases without contaminating the integrity of the media. The valves are incorporated into the manifold to provide the lowest space-saving profile. The manifolds eliminate the need for interconnecting tubing and fittings when standalone valves are used. They are usable as a diverter with a common inlet and independently switched outlets, or as a selector, with independently switched inlets and a common outlet.

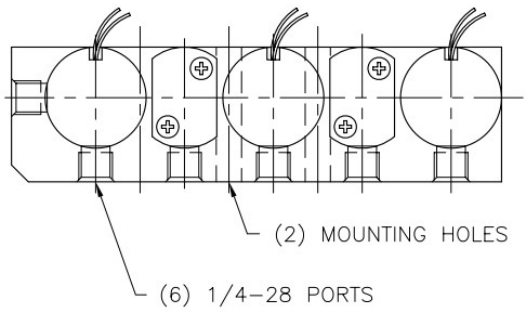
APPLICATION

The SV74M series manifolds are designed for analytical and medical instruments requiring the total isolation of the media from the valve mechanism. Low internal volume makes purging, cleaning and sterilization between media batch changes fast and efficient. Applications include: gradient and solvent mixing and distribution, blood analyzers and packaging equipment, analytical and medical instruments and equipment, clinical instruments, reagent and diluent dispensers, and printing inks, dyes, and colorants.

FEATURES

- Low power consumption is ideal for portable battery powered instruments
- 30 PSIG max pressure, optional 100 PSIG available
- 28" Hg vacuum
- Low internal volume
- Bi-directional flow capability
- Low power 12 and 24 VDC coils rated for continuous duty
- 3, 4, 5, and 6 valve manifolds available
- Mountable in any orientation
- Fully customizable for your application





(BOTTOM VIEW)

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

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Valve Parts in Contact with Fluid

Body	PTFE
Diaphragm	PTFE

Other Parts

Armature	430F SS
Spring	303 SS
Coil Housing	Nickel Plated Steel
Base Plate	Nickel Plated Steel

Specifications

Port Size	Orifice Size (ins.)	Max. Pressure (PSI) Gas & Liquid	Max. Pressure (PSI) Vacuum (in. Hg)	Model Number	Voltage	Wattage
Inline Manifold of (3) 2-Way Normally Closed Valves						
1/4 - 28	0.040"	30	28	SV74MP61T3-1	12 VDC	1.0
1/4 - 28	0.040"	30	28	SV74MP61T3-2	24 VDC	1.0
Inline Manifold of (4) 2-Way Normally Closed Valves						
1/4 - 28	0.040"	30	28	SV74MP61T4-1	12 VDC	1.0
1/4 - 28	0.040"	30	28	SV74MP61T4-2	24 VDC	1.0
1/4 - 28	0.062"	30	28	SV74MP25T4-1	12 VDC	1.5
1/4 - 28	0.062"	30	28	SV74MP25T4-2	24 VDC	1.5
1/4 - 28	0.095"	30	28	SV74MP60T4-1	12 VDC	4.2
1/4 - 28	0.095"	30	28	SV74MP60T4-2	24 VDC	4.2
Inline Manifold of (5) 2-Way Normally Closed Valves						
1/4 - 28	0.040"	30	28	SV74MP61T5-1	12 VDC	1.0
1/4 - 28	0.040"	30	28	SV74MP61T5-2	24 VDC	1.0
Inline Manifold of (6) 2-Way Normally Closed Valves						
1/4 - 28	0.062"	30	28	SV74MP61T6-1	12 VDC	1.5
1/4 - 28	0.062"	30	28	SV74MP61T6-2	24 VDC	1.5

Alternate voltage of 6 VDC & 115V/60 HZ available upon request. Please consult factory for availability & part number.
High pressure version available up to 100 PSI ('-HP'). PEEK body only. Please consult factory for availability of specific constructions.
For Temperature and Duty Cycle information, please consult "Temp and Duty Cycle" link under Technical Information on our website.

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