PTFE DIAPHRAGM FLUID ISOLATION VALVES



- PTFE isolation valves are designed for use with highly aggressive liquids
- The PTFE body and diaphragm isolates the internal solenoid components from the media resulting in a virtually impervious valve
- Excellent self-draining capability and easy-to-flush low-volume internal cavity make these valves ideal in application where crosscontamination must be minimized
- Compact architecture and low power consumption make them ideal for analytical bench-top instrumentation
- Available in a 2, 3, or 4 position PTFE manifold configuration.
- Meets all relevant CE directives, and is RoHS compliant
- Typical applications include:
 - Chromatography
 - Solvent Selection/Diversion
 - Sample Preparation
 - Liquid Spectrometry

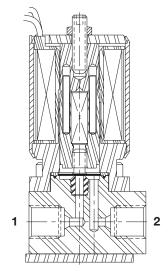


Fluids*	Temperature Range	Wetted Materials*		
Liquids or Gases	0 °C to 25 °C (32 °F to 77 °F)	PTFE, PCTFE		

^{*} Ensure that the compatibility of the fluids in contact with the materials is verified

General Valve Information						
Response Time	< 5ms					
Internal Volume	20µl port 1 to seat 52µl port 2 to seat					

Electrical Characteristics						
Standard Voltages	12 VDC, 24 VDC					
Power Consumption	2.9 to 3.8 Watts					
Duty Cycle Rating	Continuous					
Coil Insulation	180 °C (356 °F)					
Electrical Connection	26 AWG Lead Wire					



Specifications									
Connection	Orifice Size	Flow Coefficient		Pressure Differential bar (psi)		Catalog	Number of	Power Coil	
				min. max.	max.	Number	Solenoids	w	
	mm (in)	Kv (m3/h)	Cv						
1/4-28 UNF Flat Bottom	1.57 (0.062)	0.026	0.030	-1 (-14.5)	2 (29)	3302xxS302	2	2.9 (12 VDC), 3.8 (24 VDC)	
1/4-28 UNF Flat Bottom	1.57 (0.062)	0.026	0.030	-1 (-14.5)	2 (29)	3302xxS303	3	2.9 (12 VDC), 3.8 (24 VDC)	
1/4-28 UNF Flat Bottom	1.57 (0.062)	0.026	0.030	-1 (-14.5)	2 (29)	3302xxS304	4	2.9 (12 VDC), 3.8 (24 VDC)	



How to Order

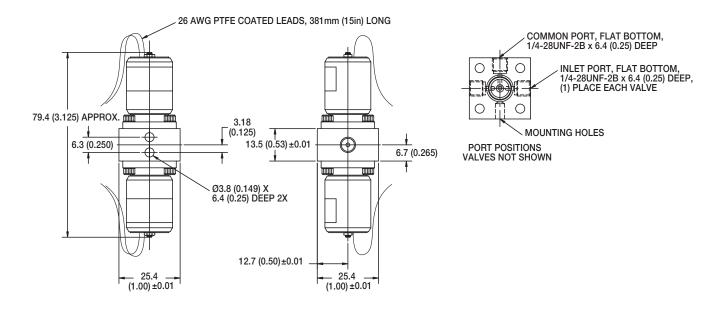


Ordering Example: 190212S30 = 2-Way normally closed valve with 1/4-28 UNF, flat bottom ports and 12 VDC coil rated at 2.9 Watts 330224S303 = 3, 2-Way normally closed valves mounted on a manifold with 1/4-28 UNF, flat bottom ports and 24 VDC coil rated at 3.8 Watts

Dimensions: mm (inches)

Dimensional Drawings

330 Series 2 Position Valve Manifold





Dimensions: mm (inches)

Dimensional Drawings

330 Series 3 Position Valve Manifold

