

# Isolation Manifold Series 18

## Chemically Inert Manifold Valve



The Series 18 is designed for compact installation in multi-liquid or gas control systems. Available with multiple inlets and one outlet (or vice versa), the Series 18 features all wetted parts of Teflon®. Tubing and connections between discrete valves are eliminated and dead volume is reduced. Repeatability and high speed of opening and closing make the Series 18 ideally suited for controlling small percentages of low flow liquids and gases.

### Features

- Low power
- Low internal volume
- High cycle life
- High Speed
- Requires no pressure to operate

### Physical Properties

<b>Valve Type:</b>	2-Way Teflon® valve
<b>Media:</b>	Liquids and gases
<b>Operating Environment:</b>	4 to 66°C (40 to 150°F)
<b>Size:</b>	Configuration and fitting dependent (Contact factory for details)
<b>Weight:</b>	(Contact factory for details)
<b>Porting:</b>	1/4-28 Threaded ports
<b>Internal Volume:</b>	(Contact factory for details)

### Electrical

Power:	Voltage:	Current:	Resistance:
			(Ω+5% @ 70°F)
2.5 Watts	12 VDC	211 ma	57 Ω
4.2 Watts	24 VDC	173 ma	139 Ω
<b>12" 26 AWG Teflon insulated Lead Wires Standard</b>			

### Wetted Materials

<b>Materials Contacting Media:</b>	Teflon®
<b>Seals:</b>	Teflon®
<i>Recommended filtration level is 10 microns</i>	

### Performance Characteristics

<b>Operating Pressure:</b>	24"Hg - 20 psig (1.38 BAR)
<b>Orifice Diameters:</b>	0.031" (0.8 mm) 0.062" (1.6 mm)
<b>Response Time:</b>	12 ms maximum
<b>Leak Rate:</b>	Bubble Tight

### Ordering Information:

	part number	
	018-0048-900	018-0074-900
<b>Valve Type</b>	2-Way NC, 4 Station	2-Way NC, 4 Station
<b>Media</b>	Liquids & Gases	Liquids & Gases
<b>Operating Pressure</b>	Vacuum - 20 psi	Vacuum - 20 psi
<b>Orifice</b>	0.060"	0.060"
<b>Valve Body Material</b>	PTFE	PTFE
<b>Voltage</b>	24 VDC	12 VDC
<b>Porting</b>	1/4 - 28	1/4 - 28
<b>Operating Environment</b>	40 - 150 deg F	40 - 150 deg F
<b>Material Contact Media</b>	PTFE	PTFE
<b>Seals</b>	PTFE	PTFE

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Visit [www.parker.com/precisionfluidics](http://www.parker.com/precisionfluidics)

