

## PIV SERIES PTFE & PEEK VALVES

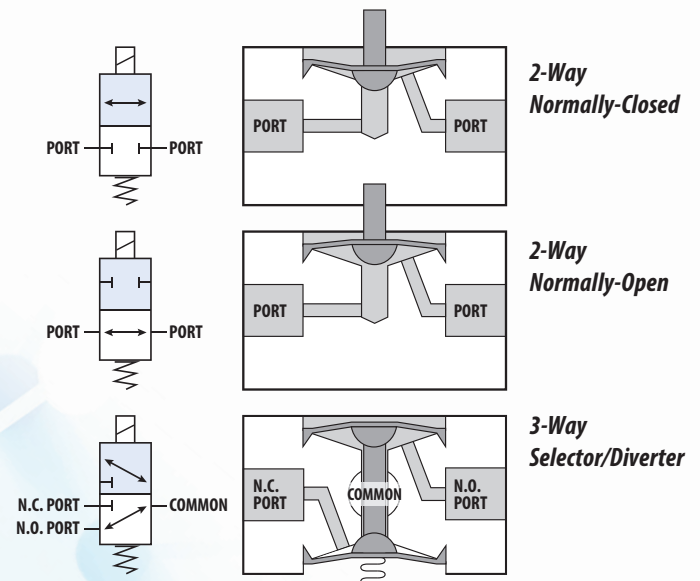


The PIV series features the same solenoid-operation and multifunctional valve stem design as the NIV series but with the added benefit of a PEEK body. This enables the PIV series to deliver higher pressures and provide enhanced durability. All wetted areas of the PIV series are PTFE and PEEK.

<b>Connection</b>	18" (45 cm) wire leads
<b>Documentation</b>	CE, RoHS
<b>Flow Range</b>	5 to 60 l/min @ 30 psig (2 bar) air 10 to 115 l/min @ 100 psig (7 bar) air
<b>Function</b>	2-way normally-closed or normally-open, 3-way selector/diverter
<b>Material, Wetted</b>	PTFE, PEEK, FKM*
<b>Max. Flow</b>	60 l/min @ 30 psig (2 bar) air 115 l/min @ 100 psig (7 bar) air
<b>Medium</b>	Air, water, gas, or compatible fluids
<b>Mount</b>	#2-56, #4-40, or manifold (0.118" thru hole)
<b>Operating Temp. Range</b>	-20 to 158°F (-29 to 70°C)
<b>Operating Pressure</b>	Vac. to 30 psig (2 bar) or 100 psig (7 bar)
<b>Ports</b>	#10-32, 1/4-28 UNF, or 1/8 NPS
<b>Response Time</b>	5 to 50 ms typical
<b>Voltage</b>	12 to 24 VDC (additional options available)
<b>Wattage</b>	1.0 to 15 watts
<b>More Details</b>	<a href="http://clippard.com/link/piv-series">clippard.com/link/piv-series</a>

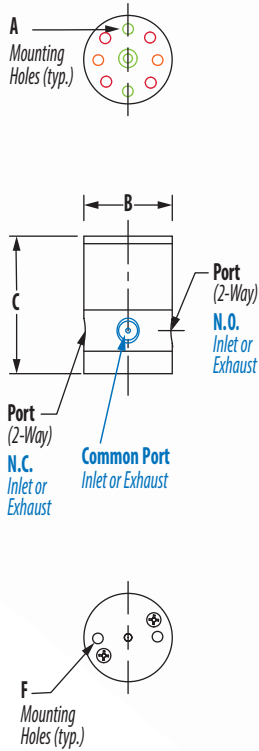
\*Manifold version only

- Low power consumption
- Compact, lightweight design
- Bidirectional
- Minimal dead volume
- Fully flushable
- All wetted areas PTFE or PEEK
- Ideal for use with corrosive media
- High cycle life
- Fast response time
- Proudly made in the USA



### Orifice 1 & 2

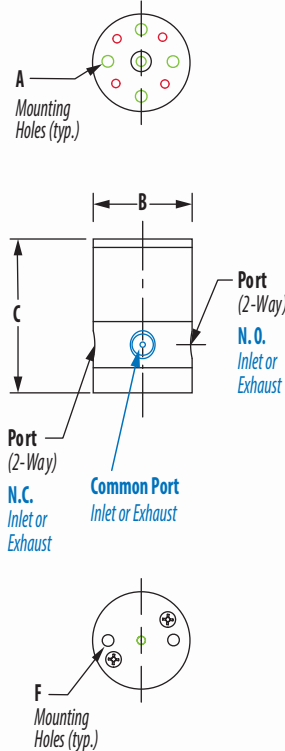
All In-Line Versions



- All versions
- 3-Way only
- Orifice 1 only
- Orifice 2: 2-Way Normally-Closed only
- Orifice 2: 2-Way Normally-Open & 3-Way

### Orifice 3 & 4

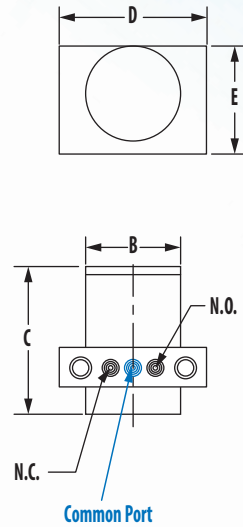
All In-Line Versions



- All versions
- 3-Way only
- 2-Way Normally-Closed only
- 2-Way Normally-Open & 3-Way

### Orifice 1, 2, 3, & 4

All Manifold Mount Versions



- All versions
- 3-Way Only

### DIMENSIONS

Orifice	A	B	C	D	E	F
1	#2-56 0.094" (2.4) deep	0.750" (19.1) deep	1.154" to 1.162"	1.250" (25.4)	0.875" (22.2)	0.188" (4.8) deep
	#4-40 0.125" (3.2) deep		1.487" to 1.492"			
2	#4-40 0.125" (3.2) deep	1.000" (25.4) deep	1.813" to 1.863"	1.625" (41.3)	1.375" (34.9)	0.250" (6.4) deep
	#4-40 0.125" (3.2) deep		2.038" to 2.088"			
3	#4-40 0.125" (3.2) deep	1.500" (38.1) deep	2.038" to 2.088"	1.875" (47.6)	1.625" (41.3)	0.250" (6.4) deep
	#4-40 0.125" (3.2) deep		2.038" to 53.0)			
4	#4-40 0.125" (3.2) deep	1.500" (38.1) deep	2.038" to 2.088"	1.875" (47.6)	1.625" (41.3)	0.250" (6.4) deep
	#4-40 0.125" (3.2) deep		2.038" to 53.0)			

Dimensions shown are in inches  
(millimeters listed in parentheses).

Visit [clippard.com](http://clippard.com) for more detailed  
2D and 3D drawings.

## ORDERING INFORMATION

**Unit**  
(blank) Imperial  
M- Metric

**Orifice<sup>1</sup>**  
1 0.040" (1.0 mm)—#10-32 ports, 6 l/min  
2 0.062" (1.6 mm)—1/4-28 UNF ports, 16 l/min  
3 0.095" (2.4 mm)—1/4-28 UNF ports, 38 l/min  
4 0.156" (4.0 mm)—1/8 NPS ports, 60 l/min  
<sup>1</sup>Flow @ 30 psig (2 bar)

**Mount**  
(blank) In-Line, Threaded  
M Manifold

**Voltage**  
12 12 VDC  
24 24 VDC

**Additional Circuitry Option**  
(blank) None  
L Hit & Hold?  
<sup>2</sup>L option not available with orifice 1

**Body Material & Op. Pressure**  
-P PTFE & PEEK Body, Vac. to 30 psig (2 bar)  
-H PTFE & PEEK Body, Vac. to 100 psig (7 bar)

**Function**  
-2 2-Way, Normally-Closed  
O-2 2-Way, Normally-Open  
-3 3-Way Selector/Diverter

**Example Part Number:**  
NR1-2-12-P

### PEEK ZERO DEAD VOLUME FITTINGS

- IJ2 1/4-28 thd.-1/16" ID Hose Barb
- IJ6 1/4-28 thd.-3/16" ID Hose Barb
- IP6 1/8-27 NPS thd.-3/16" ID Hose Barb
- IT2 #10-32 thd.-1/16" ID Hose Barb

Available in packages of 5 (-PKG) or in bulk (-BLK)



For more info, scan the  
QR code or visit

[clippard.com/link/piv-series](http://clippard.com/link/piv-series)

