

## PIV SERIES PTFE & PEEK VALVES

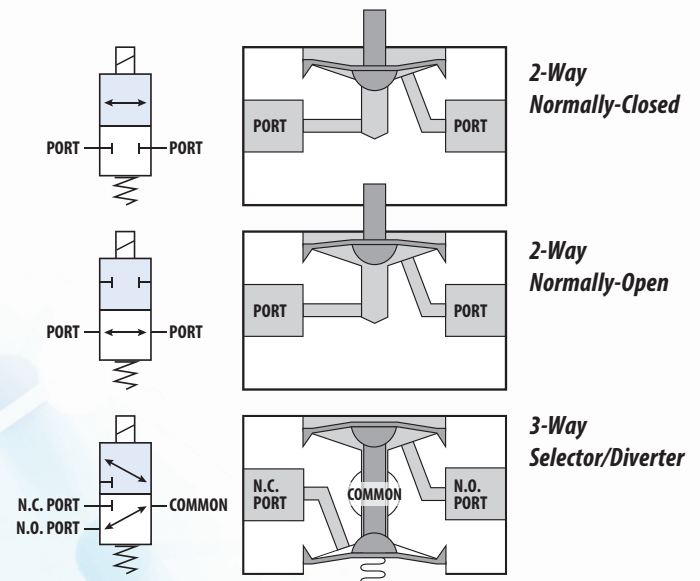


The PIV series features the same solenoid-operation and multifunctional valve stem design as the NIV series but with the added benefit of a PEEK body. This enables the PIV series to deliver higher pressures and provide enhanced durability. All wetted areas of the PIV series are PTFE and PEEK.

<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 ( <i>additional options available</i> )
<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>

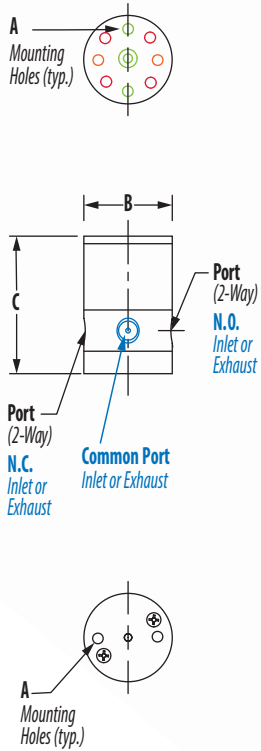
\*Manifold version only

- 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

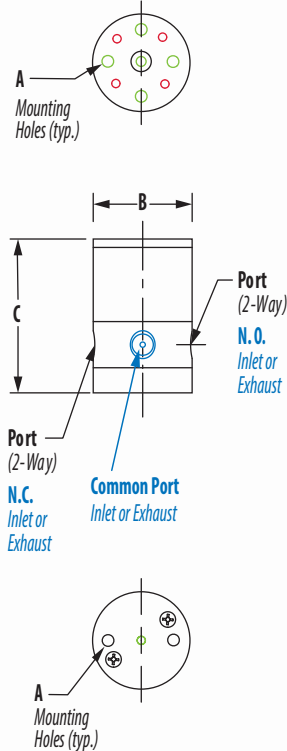
All In-Line Versions



- 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

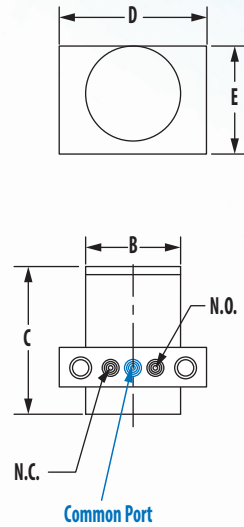
All In-Line Versions



- 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
1	#2-56	0.750" (19.1)	1.154" to 1.162" (29.3 to 29.5)	1.250" (25.4)	0.875" (22.2)
2	#4-40	1.000" (25.4)	1.487" to 1.492" (37.8 to 37.9)	1.250" (31.8)	1.125" (28.6)
3	#4-40	1.250" (31.8)	1.813" to 1.863" (46.1 to 47.3)	1.625" (41.3)	1.375" (34.9)
4	#4-40	1.500" (38.1)	2.038" to 2.088" (51.8 to 53.0)	1.875" (47.6)	1.625" (41.3)

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

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

**Voltage** 12 12 VDC  
24 24 VDC

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

**Orifice\***

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

\*Flow @ 30 psig (2 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

For more info, scan the  
QR code or visit

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

