

NIV SERIES PTFE VALVES

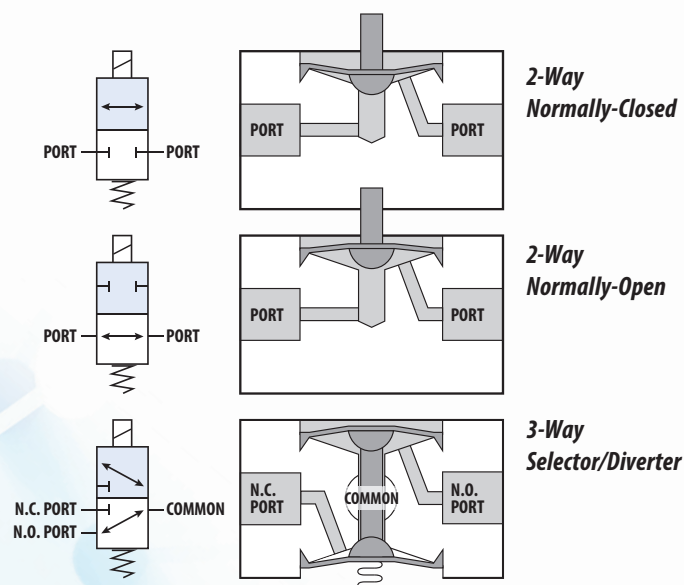


The NIV series media isolation valve is a solenoid-operated device that utilizes a flexible diaphragm to isolate the actuation mechanism from the fluid path. This unique, multifunctional valve stem results in a simplified design with fewer parts, longer life and minimal dead volume. In addition, all wetted areas of the NIV series are PTFE, making it ideal for use with corrosive media.

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

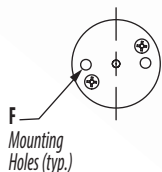
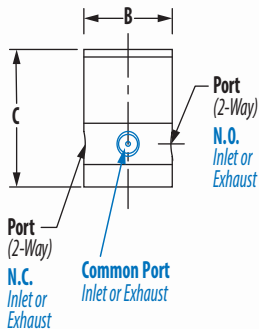


Connection	18" (45 cm) wire leads
Documentation	CE, RoHS
Flow Range	5 to 60 l/min @ 30 psig (2 bar) air
Function	2-way normally-closed or normally-open, 3-way selector/diverter
Material, Wetted	PTFE, FKM
Max. Flow	60 l/min @ 30 psig (2 bar) air
Medium	Air, water, gas, or compatible fluids
Mount	#2-56, #4-40, or manifold (0.118" thru hole)
Operating Temp. Range	-20 to 158°F (-29 to 70°C)
Operating Pressure	Vac. to 30 psig (2 bar)
Ports	#10-32, 1/4-28 UNF, or 1/8 NPS
Response Time	5 to 50 ms typical
Voltage	12 to 24 VDC (<i>additional options available</i>)
Wattage	1.0 to 7.2 watts
More Details	clippard.com/link/niv-series



Orifice 1 & 2

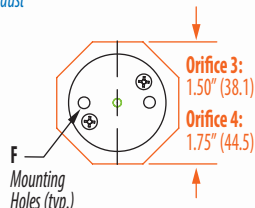
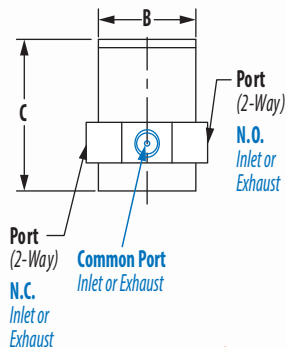
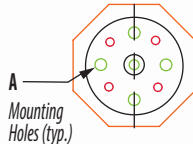
All In-Line Versions



- 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

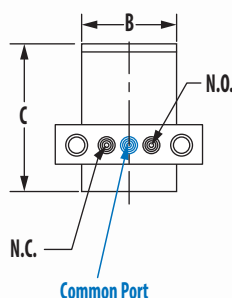
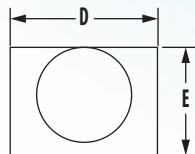
All In-Line Versions



- All versions
- 3-Way only
- Orifice 3 & 4 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		1.154"			#2-56
	0.094"	0.750"	to 1.162"	1.250"	0.875"	0.188"
	(2.4)	(19.1)	(29.3)	(25.4)	(22.2)	(4.8)
2	#4-40		1.487"			#4-40
	0.125"	1.000"	to 1.492"	1.250"	1.125"	0.250"
	(3.2)	(25.4)	(37.8)	(31.8)	(28.6)	(6.4)
3	#4-40		1.813"			#4-40
	0.125"	1.250"	to 1.863"	1.625"	1.375"	0.250"
	(3.2)	(31.8)	(46.1)	(41.3)	(34.9)	(6.4)
4	#4-40		2.038"			#4-40
	0.125"	1.500"	to 2.088"	1.875"	1.625"	0.250"
	(3.2)	(38.1)	(51.8)	(47.6)	(41.3)	(6.4)

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

Visit clippard.com for more detailed
2D and 3D drawings.

ORDERING INFORMATION

Unit (blank) Imperial M- Metric	N R	Orifice¹ 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 ¹Flow @30 psig (2 bar)	Additional Circuitry Option (blank) None L Hit & Hold ² ²L option not available with orifice 1	Mount (blank) In-Line, Threaded M Manifold	Voltage 12 12 VDC 24 24 VDC
Example Part Number: NR1-2-12			Function -2 2-Way, Normally-Closed O-2 2-Way, Normally-Open -3 3-Way Selector/Diverter		

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
- IT6 #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/niv-series

