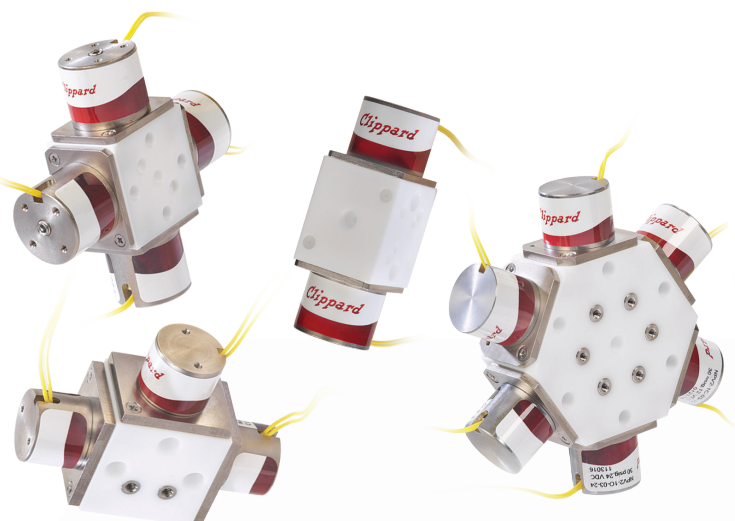


NIV SERIES MIXING VALVES

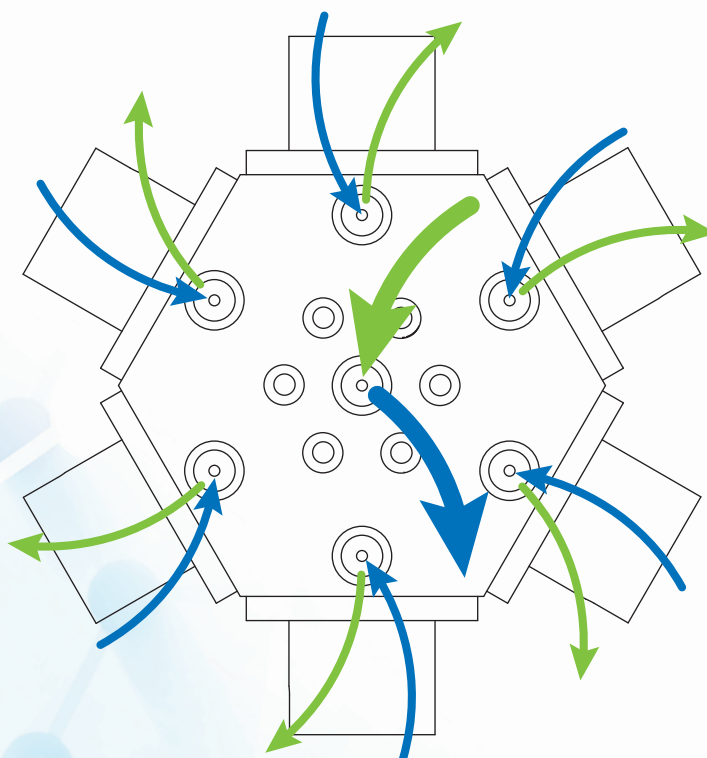


NIV series multi-channel gradient valves feature multiple 2-way, normally-closed PTFE media isolation valves connected around a central body. This unique design provides significant reduction in internal volume with enhanced mixing capabilities. Each actuator operates independently, allowing for flow of various media to be mixed or for one media to be split into multiple streams. These multi-channel gradient mixing valves are useful for solvent selection, stream splitting, flushing, and other automated applications.

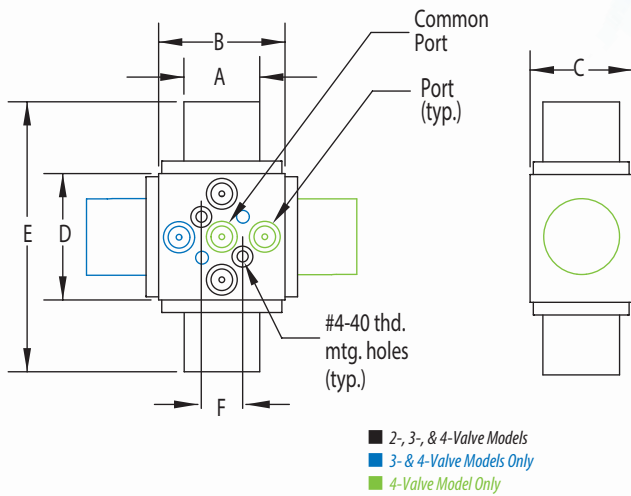
- Individually controlled flow paths
- Mix flow from various media
- Split media into multiple streams

Connection	18" (45 cm) wire leads
Flow Range	5 to 60 l/min @ 30 psig (2 bar) air
Function	2-way normally-closed
Material, Wetted	PTFE
Max. Flow	60 l/min @ 30 psig (2 bar) air
Medium	Air, water, gas, or corrosive fluids
Mount	#4-40 (metric also available)
Operating Temp. Range	-20 to 158°F (-29 to 70°C)
Operating Pressure	Vac. to 30 psig (2 bar)
Ports	1/4-28 UNF or 1/8 NPS
Response Time	5 to 50 ms typical
Voltage	12 to 24 VDC (additional options available)
Wattage	1.0 to 7.2 watts
More Details	clippard.com/link/niv-mixing

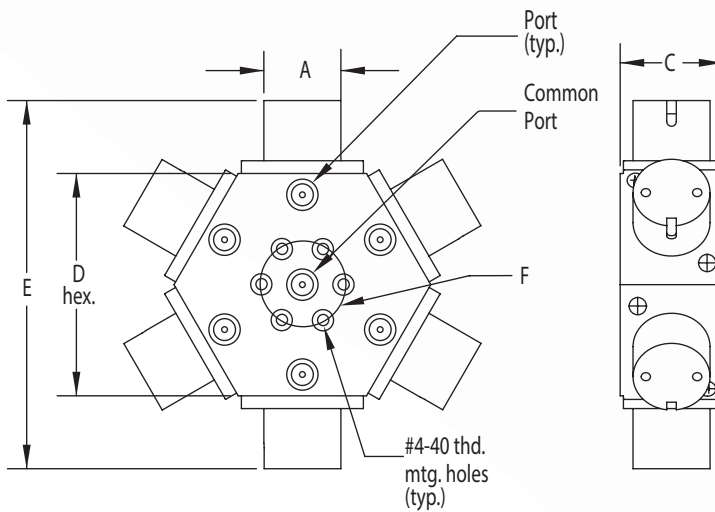
Multiple Inputs with a **Common Output**, or
Multiple Outputs with a **Common Input**



2-, 3-, & 4-Valve Models



6-Valve Models



DIMENSIONS

Orifice	# Valves	A	B	C	D	E	F
1	2, 3, or 4	0.750" (19.1)	1.250" (31.8)	1.000" (25.4)	1.250" (31.8)	2.670" (67.8)	0.400" (10.2)
	6	0.750" (19.1)	-	1.000" (25.4)	2.165" (55.0)	3.585" (91.1)	0.800" (20.3)
2	2, 3, or 4	1.000" (25.4)	1.500" (38.1)	1.250" (31.8)	1.500" (38.1)	3.362" (85.4)	0.500" (12.7)
	6	1.000" (25.4)	-	1.250" (31.8)	2.598" (66.0)	4.460" (113.3)	1.155" (29.3)
3	2, 3, or 4	1.250" (31.8)	1.750" (44.5)	1.375" (34.9)	1.750" (44.5)	4.100" (104.1)	0.625" (15.9)
	6	1.250" (31.8)	-	1.375" (34.9)	3.031" (77.0)	5.381" (136.7)	1.250" (31.8)
4	2, 3, or 4	1.500" (38.1)	2.000" (50.8)	1.625" (41.3)	2.000" (50.8)	4.458" (113.2)	0.625" (15.9)
	6	1.500" (38.1)	-	1.625" (41.3)	3.464" (88.0)	6.013" (152.7)	1.250" (31.8)

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

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

ORDERING INFORMATION

N **R** **□** - **2** - **□** - **G** **□**

Orifice*

- 1 0.040" (1.0 mm) — 1/4-28 UNF 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)

Voltage

- 12 12 VDC
- 24 24 VDC

of Valves

- 2 2 valves
- 3 3 valves
- 4 4 valves
- 6 6 valves

Example Part Number:
NR1-2-12-G2

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-mixing

