NIV SERIES MULTI-CHANNEL GRADIENT VALVES

NIV series gradient valves feature multiple 2-Way, Normally-Closed solenoids 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 gradient valves are useful for solvent selection, stream splitting, flushing, mixing, diverting, blending, indexing and other automated applications.

- PTFE diaphragm isolation valves
- Low dead volume
- Low leakage isolation design
- Compatible with corrosive and aggressive fluids
- Flow paths may be controlled individually
- Equal pressure drop, response time and internal volumes

Contact Clippard Technical Support for customizable options and materials.

<table>
<thead>
<tr>
<th># Valves</th>
<th>Ports / Orifice</th>
<th>Flow @ 30 psig</th>
<th>Part No. 12 VDC</th>
<th>Part No. 24 VDC</th>
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<tbody>
<tr>
<td>2</td>
<td>1/4-28 UNF / 0.040&quot;</td>
<td>6 l/min</td>
<td>NR1-2-12-G2</td>
<td>NR1-2-24-G2</td>
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<tr>
<td></td>
<td>1/4-28 UNF / 0.062&quot;</td>
<td>16 l/min</td>
<td>NR2-2-12-G2</td>
<td>NR2-2-24-G2</td>
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<td>1/4-28 UNF / 0.093&quot;</td>
<td>38 l/min</td>
<td>NR3-2-12-G2</td>
<td>NR3-2-24-G2</td>
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<td>1/8 NPS / 0.156&quot;</td>
<td>58 l/min</td>
<td>NR4-2-12-G2</td>
<td>NR4-2-24-G2</td>
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<td>3</td>
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<td>6 l/min</td>
<td>NR1-2-12-G3</td>
<td>NR1-2-24-G3</td>
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<td>1/4-28 UNF / 0.062&quot;</td>
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<td>58 l/min</td>
<td>NR4-2-12-G4</td>
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<td>6</td>
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<td>6 l/min</td>
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<td>NR4-2-12-G6</td>
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**2-Valve Models**

NRX-2-X-G2

**3-Valve Models**

NRX-2-X-G3

**4-Valve Models**

NRX-2-X-G4

**6-Valve Models**

NRX-2-X-G6

**DIMENSIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>A (dia)</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>H</th>
<th>J</th>
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<td>NR1-2-X-G2</td>
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<td>1.250&quot;</td>
<td>-</td>
<td>1.000&quot;</td>
<td>1.250&quot;</td>
<td>2.670&quot;</td>
<td>0.400&quot;</td>
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<tr>
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<td>1.250&quot;</td>
<td>1.960&quot;</td>
<td>1.000&quot;</td>
<td>1.250&quot;</td>
<td>2.670&quot;</td>
<td>0.400&quot;</td>
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<td>1.000&quot;</td>
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<td>1.500&quot;</td>
<td>3.362&quot;</td>
<td>0.500&quot;</td>
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<td>2.431&quot;</td>
<td>1.250&quot;</td>
<td>1.500&quot;</td>
<td>3.362&quot;</td>
<td>0.500&quot;</td>
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<td>1.500&quot;</td>
<td>3.362&quot;</td>
<td>1.250&quot;</td>
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<td>1.750&quot;</td>
<td>2.925&quot;</td>
<td>1.375&quot;</td>
<td>1.750&quot;</td>
<td>4.100&quot;</td>
<td>0.625&quot;</td>
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<td>1.750&quot;</td>
<td>4.100&quot;</td>
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<td>2.000&quot;</td>
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<td>2.000&quot;</td>
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<td>1/8 NPS</td>
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<td>3.275&quot;</td>
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<td>4.548&quot;</td>
<td>0.625&quot;</td>
<td>1/8 NPS</td>
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<tr>
<td>NR4-2-X-G4</td>
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<td>2.000&quot;</td>
<td>4.550&quot;</td>
<td>1.625&quot;</td>
<td>2.000&quot;</td>
<td>4.548&quot;</td>
<td>0.625&quot;</td>
<td>1/8 NPS</td>
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<td>3.464&quot;</td>
<td>6.013&quot;</td>
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