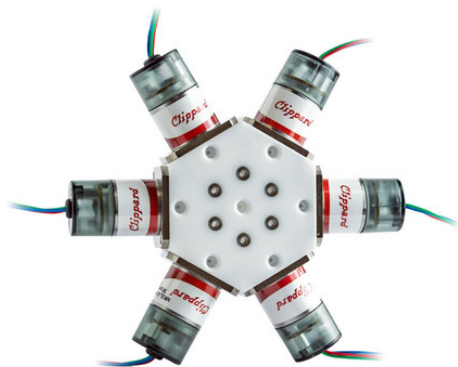




## NIV PTFE Gradient Mixing Valves

### NR3L-2-12-G2



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.

|                                    |                                                                                                                                             |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <b>2D Drawings</b>                 | <a href="#">2D Files</a>                                                                                                                    |
| <b>Accessories</b>                 | <a href="#">Zero Dead Volume Fittings</a>                                                                                                   |
| <b>Accuracy</b>                    | >99%                                                                                                                                        |
| <b>Circuitry Option</b>            | Hit & Hold Low Power                                                                                                                        |
| <b>Connection</b>                  | Wire Leads, 18" (45 cm)                                                                                                                     |
| <b>Data Sheet</b>                  | <a href="#">Data Sheet</a> , <a href="#">Hit &amp; Hold Info</a>                                                                            |
| <b>Documentation</b>               | CE, RoHS Compliant ( <a href="#">Download</a> )                                                                                             |
| <b>Flow Range</b>                  | 5 to 60 l/min @ 30 psig (2 bar) Air                                                                                                         |
| <b>Function</b>                    | 2-Way Normally-Closed                                                                                                                       |
| <b>Hit Time</b>                    | 115 ± 30 ms                                                                                                                                 |
| <b>Hold Voltage PWM Freq.</b>      | Approx. 25 Khz                                                                                                                              |
| <b>LED Indicators</b>              | Power status (green), trigger status (blue), warning (red-indicates for over 3.75 A, over 140°C or short circuit), Feedback Status (yellow) |
| <b>Life Cycle</b>                  | ±1,000,000                                                                                                                                  |
| <b>Material, Wetted</b>            | PTFE                                                                                                                                        |
| <b>Max. Flow</b>                   | 60 l/min @ 30 psig (2 bar) Air                                                                                                              |
| <b>Medium</b>                      | Air, Water, Gas & Corrosive Fluids                                                                                                          |
| <b>Mount</b>                       | #4-40 (metric also available)                                                                                                               |
| <b>Note</b>                        | CE, RoHS Compliant, ISO 9001. High Pressure & PEEK Body options also available.                                                             |
| <b>Operating Pressure</b>          | Vacuum to 30 psig (2 bar)                                                                                                                   |
| <b>Operating Temperature Range</b> | -20 to 158°F (-29 to 70°C)                                                                                                                  |
| <b>Orifice / Port Thread</b>       | 0.095" / 1/4-28 UNF, 38 l/min                                                                                                               |
| <b>Porting</b>                     | 2 Valves                                                                                                                                    |
| <b>Product Line Brochure</b>       | <a href="#">Isolation Valves</a>                                                                                                            |
| <b>Response Time</b>               | <50 ms                                                                                                                                      |
| <b>Trigger Input</b>               | 3.3 to 24 VDC, 10 mA @ 24 VDC trigger input                                                                                                 |
| <b>Voltage</b>                     | 12 VDC                                                                                                                                      |
| <b>Weight (lbs.)</b>               | 0.5000                                                                                                                                      |

