



## Precision Pressure Regulators

### M-DR-2PKNR-5



The DR-2 precision regulators are offered in either relieving or non-relieving versions. The relieving design maintains a constant pressure output even when downstream conditions change, while non-relieving regulators do not automatically compensate for changes in downstream flow or pressure. There is no vent to atmosphere, as in a relieving type regulator, and the output pressure can increase due to a downstream event. Non-relieving versions can also accommodate compatible liquid applications.

|                                      |                                                                                                                                                                              |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>2D Drawings</b>                   | <a href="#">2D Files</a>                                                                                                                                                     |
| <b>Accessories</b>                   | Knob & Set Screw: <a href="#">AK2.5-B</a>                                                                                                                                    |
| <b>Adjustment</b>                    | Knob                                                                                                                                                                         |
| <b>Data Sheet</b>                    | <a href="#">Data Sheet</a>                                                                                                                                                   |
| <b>Included Item(s)</b>              | Nut & Lockwashers                                                                                                                                                            |
| <b>Input PSI</b>                     | 300 psig max. (20,7 bar)                                                                                                                                                     |
| <b>Material, Body</b>                | Electroless Nickel Plated Brass                                                                                                                                              |
| <b>Material, Seals</b>               | FKM with PFPE Lube                                                                                                                                                           |
| <b>Material, Spring &amp; Spring</b> | Stainless Steel Adjustment                                                                                                                                                   |
| <b>Max. Pressure</b>                 | 1 to 50 psig (0,07-3,4 bar)                                                                                                                                                  |
| <b>Medium</b>                        | Air, Water* or Oil* (* non-relieving models)                                                                                                                                 |
| <b>Mount</b>                         | #5/16-24 thread (M8x1.0 thread)                                                                                                                                              |
| <b>Non-Relieving Option</b>          | Non-Relieving                                                                                                                                                                |
| <b>Notes</b>                         | An extended 0.25" (6.4 mm) shaft accepts an adjustment knob or furnished with an exposed screwdriver slot with micro-adjustment (32 pitch thread). Knobs ordered separately. |
| <b>Operating Temperature Range</b>   | 32 to 230°F (0 to 110°C)                                                                                                                                                     |
| <b>Ports (Inlet - Outlet)</b>        | R1/8 Male - M5 Female                                                                                                                                                        |
| <b>Product Line Brochure</b>         | <a href="#">Mechanical Valves</a>                                                                                                                                            |
| <b>Repeatability</b>                 | ±0.25 psig (0.02 bar) typical                                                                                                                                                |
| <b>Set Point Sensitivity</b>         | ≤0.5 psig (0.03 bar)                                                                                                                                                         |
| <b>Set Point Stability</b>           | ≤0.5 psig (0.03 bar)                                                                                                                                                         |
| <b>Unit</b>                          | Metric                                                                                                                                                                       |
| <b>Weight (lbs.)</b>                 | 0.3000                                                                                                                                                                       |

