

**VRN-1218-DL Dome-Loaded Pressure Reducing Regulator ¾"**

High Performance Dome-Loaded Pressure Reducing Regulator for use in the natural gas industry. High flow for better performance in trailer decanting, PRS systems, vehicle filling, nitrogen purging and other applications. Supplied with our VRH series pilot regulator for continual accurate operation.

**Performance:**

- Flow Rating: 8.5 Cv
- Characteristics: 3-5% droop from shut to full open

**Port configuration:**

- Inlet: ¾" NPT
- Outlet: ¾" NPT
- Adjustable orientation: 90deg increments
- Control lines: ¼" NPT

**Standard Specifications:**

- Nominal Bore: 28mm
- Balance Ratio: 1:1
- Weight: 1.9kg
- Filtration requirement: 20 micron
- Temperature range: -40 to 85°C
- Maximum Working Pressure: 350 bar
- Set pressure range: 20 to 200 bar

**Materials:**

- Body: Aluminium 6061
- Valve Components: Stainless Steel 304
- Seals: Viton/Nitrile
- Valve seats: Various

**Approvals and Ratings:**

- Design Standard: ISO 9001 2008
- Design Codes: NZS5425 AG504 NFPA 52 ASME VIII

**Installation:**

There are two ¾" NPT process ports with four cap screws on the bottom of the regulator which can adjust the orientation of the ports to suit the desired piping layout. Standard pipe fitting practices for CNG are required. The regulator has two ¼" control ports for the connection for pilot control. The port can be connected to a reference vessel set to the desired operating pressure or via a Pilot Regulator and downstream reference.



**Dimensions (inches):**

**Ordering Information:**

If alternative port options are required, replace the "N" with one of the following:  
 B(BSPT), P(BSPP), S(SAE) or N(NPT).

**Please supply the following information when ordering:**

- Port configuration
- Operating temperature range
- Inlet pressure
- Outlet set pressure
- Flow rate