



Ventable, pilot-operated, balanced-poppet relief cartridges are normally closed pressure regulating valves. When the pressure at the inlet (port 1) reaches the valve setting, the valve starts to open to tank (port 2), throttling flow to regulate the pressure. They provide a vent port (port 3) that connects between the main piston and pilot stage to provide for remote control by other pilot or 2-way valves. These valves are accurate, have low pressure rise vs. flow, they are smooth and quiet, and are moderately fast.

**TECHNICAL DATA** NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

|  |                               |
|--|-------------------------------|
| Maximum Operating Pressure                             | 5000 psi                      |
| Control Pilot Flow                                     | 15 - 20 in <sup>3</sup> /min. |
| Factory Pressure Settings Established at               | 4 gpm                         |
| Maximum Valve Leakage at Reseat                        | 10 drops/min.                 |
| Response Time - Typical                                | 2 ms                          |
| Adjustment - No. of CW Turns from Min. to Max. setting | 5                             |
| Locknut Hex Size                                       | 9/16 in.                      |
| Locknut Torque   | 80 - 90 lbf in.               |
| Seal kit - Cartridge                                   | Buna: 990-219-007             |
| Seal kit - Cartridge                                   | Viton: 990-219-006            |

**CONFIGURATION OPTIONS**

| CONTROL                                 | (L) |
|---|-----|
| <b>L</b> Standard Screw Adjustment      |     |
| <b>C</b> Tamper Resistant - Factory Set |     |

**Model Code Example: RVISLANV**

| ADJUSTMENT RANGE   | (A) |
|--|-----|
| <b>A</b> 100 - 3000 psi (7 - 210 bar), 1000 psi (70 bar) Standard Setting    |     |
| <b>B</b> 50 - 1500 psi (3,5 - 105 bar), 1000 psi (70 bar) Standard Setting   |     |
| <b>C</b> 150 - 6000 psi (10,5 - 420 bar), 1000 psi (70 bar) Standard Setting |     |
| <b>Q</b> 60 - 400 psi (4 - 28 bar), 200 psi (14 bar) Standard Setting        |     |
| <b>W</b> 150 - 4500 psi (10,5 - 315 bar), 1000 psi (70 bar) Standard Setting |     |

| SEAL MATERIAL   | (N) |
|-----------------|-----|
| <b>N</b> Buna-N |     |
| <b>V</b> Viton  |     |

| MATERIAL/COATING                       |  |
|--|--|
| <b>Standard Material/Coating</b>       |  |
| <b>/AP</b> Stainless Steel, Passivated |  |
| <b>/LH</b> Mild Steel, Zinc-Nickel     |  |