



## CONFIGURATION

|                           |  |
|---------------------------|--|
| <b>L</b> Control          | Standard Screw Adjustment                                    |
| <b>N</b> Adjustment Range | 60 - 800 psi (4 - 55 bar), 400 psi (28 bar) Standard Setting |
| <b>N</b> Seal Material    | Buna-N   |
| Material/Coating          |  |

Pilot-operated, balanced-piston 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. These valves are accurate, have low pressure rise vs. flow, they are smooth and quiet, and are moderately fast.

## TECHNICAL DATA

|  |                                   |
|--|-----------------------------------|
| Maximum Operating Pressure                             | 5000 psi                          |
| Factory Pressure Settings Established at               | 4 gpm                             |
| Maximum Valve Leakage at 110 SUS (24 cSt)              | 2 in <sup>3</sup> /min. @1000 psi |
| Response Time - Typical                                | 10 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: 990-010-007                 |
| Seal kit - Cartridge                                   | EPDM: 990-010-014                 |
| Seal kit - Cartridge                                   | Polyurethane: 990-010-002         |
| Seal kit - Cartridge                                   | Viton: 990-010-006                |

**NOTES:** • For Series 1 cartridges configured with an O control (panel mount handknob), a .75 in. (19 mm) diameter hole is required in the panel.

## CONFIGURATION OPTIONS

### Model Code Example: RPECLNN

| CONTROL (L)                             | ADJUSTMENT RANGE (N)   | SEAL MATERIAL (N) | MATERIAL/COATING (LH)                  |
|---|--|-------------------|--|
| <b>L</b> Standard Screw Adjustment      | <b>N</b> 60 - 800 psi (4 - 55 bar), 400 psi (28 bar) Standard Setting        | <b>N</b> Buna-N   | <b>/LH</b> Mild Steel, Zinc-Nickel     |
| <b>C</b> Tamper Resistant - Factory Set | <b>A</b> 100 - 3000 psi (7 - 210 bar), 1000 psi (70 bar) Standard Setting    | <b>E</b> EPDM     | <b>/AP</b> Stainless Steel, Passivated |
| <b>K</b> Handknob                       | <b>B</b> 50 - 1500 psi (3,5 - 105 bar), 1000 psi (70 bar) Standard Setting   | <b>V</b> Viton    | Standard Material/Coating              |
| <b>W</b> Hex Wrench Adjustment          | <b>C</b> 150 - 6000 psi (10,5 - 420 bar), 1000 psi (70 bar) Standard Setting |                   |  |
| <b>Y</b> Tri-Grip Handknob              | <b>D</b> 25 - 800 psi (1,7 - 55 bar), 400 psi (28 bar) Standard Setting      |                   |  |
|   | <b>E</b> 25 - 400 psi (1,7 - 28 bar), 200 psi (14 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 |                   |  |