



Pilot-operated, pressure reducing valves reduce a high primary pressure at the inlet (port 2) to a constant reduced pressure at port 1, allowing circuits with multiple pressure requirements to be operated using a single pump.

**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               | blocked control port (dead headed) |
| 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: 990-017-007                  |
| Seal kit - Cartridge                                   | EPDM: 990-017-014                  |
| Seal kit - Cartridge                                   | Polyurethane: 990-017-002          |
| Seal kit - Cartridge                                   | Viton: 990-017-006                 |

**NOTES:** • Maximum pressure differentials for spring ranges: A and B are 3000 psi (210 bar) N and Q are 2000 psi (140 bar) W is 5000 psi (350 bar) inlet pressure

**CONFIGURATION OPTIONS**

**Model Code Example: PBHBLAN**

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