



Direct-acting, pressure reducing/relieving valves reduce a high primary pressure at the inlet (port 2) to a constant reduced pressure at port 1, with a full-flow relief function from port 1 to tank (port 3). These valves incorporate a damped construction for stable operation allowing the use of high reduced pressure.

TECHNICAL DATA

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

| | |
|--|------------------------------------|
| Factory Pressure Settings Established at | blocked control port (dead headed) |
| Maximum Operating Pressure | 350 bar |
| Maximum Valve Leakage at 110 SUS (24 cSt) | 30 cc/min. |
| Adjustment - No. of CW Turns from Min. to Max. setting | 5 |
| Locknut Hex Size | 15 mm |
| Locknut Torque | 9 - 10 Nm |
| Seal kit - Cartridge | Buna: 990011007 |
| Seal kit - Cartridge | EPDM: 990011014 |
| Seal kit - Cartridge | Polyurethane: 990011002 |
| Seal kit - Cartridge | Viton: 990011006 |

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: PRDBLAN

| CONTROL | (L) ADJUSTMENT RANGE | (A) SEAL MATERIAL | (N) MATERIAL/COATING |
|---|--|-------------------|---------------------------------|
| L Standard Screw Adjustment | A 500 - 3000 psi (35 - 210 bar), 700 psi (50 bar) Standard Setting | N Buna-N | Standard Material/Coating |
| C Tamper Resistant - Factory Set | | E EPDM | /AP Stainless Steel, Passivated |
| K Handknob | W 750 - 4500 psi (50 - 315 bar), 1000 psi (70 bar) Standard Setting | V Viton | /LH Mild Steel, Zinc-Nickel |
| Y Tri-Grip Handknob | B 50 - 1500 psi (3,5 - 105 bar), 200 psi (14 bar) Standard Setting | | |
| | D 25 - 800 psi (1,7 - 55 bar), 200 psi (14 bar) Standard Setting | | |
| | E 25 - 400 psi (1,7 - 28 bar), 200 psi (14 bar) Standard Setting | | |
| | S 25 - 200 psi (1,7 - 14 bar), 100 psi (7 bar) Standard Setting | | |