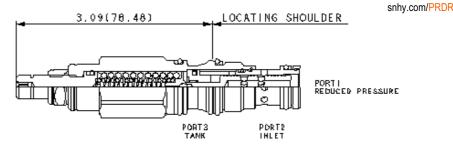


CONFIGURATION

| L | Control | Standard Screw Adjustment | | |
|-------------------------|---------------------|--|--|--|
| A | Adjustment Range | 500 - 3000 psi (35 - 210 bar), 700 psi (50 bar) Standard Setting | | |
| N | Seal Material | Buna-N | | |
| (none) Material/Coating | | Standard Material/Coating | | |



Direct-acting, pressure reducing valves reduce a high primary pressure at the inlet (port 2) to a constant reduced pressure at port 1. 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.

| Cavity | T-11A | | | |
|--|-------------------------|--|--|--|
| Series | 1 | | | |
| Capacity | 40 L/min. | | | |
| Factory Pressure Settings Established at | 0.25 gpm | | | |
| 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 | | | |
| Valve Hex Size | 22,2 mm | | | |
| Valve Installation Torque | 41 - 47 Nm | | | |
| Adjustment Screw Internal Hex Size | 4 mm | | | |
| 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 | | | |
| Model Weight | 0.20 kg. | | | |

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: PRDRLAN

| CONTROL | (L) | ADJUSTMENT RANGE (A |) | SEAL MATERIAL | (N) | MATERIAL/COATING |
|--|-----|--|---|---|-----|---|
| L Standard Screw Adjustment C Tamper Resistant - Factory Set K Handknob O Handknob with Panel Mount | | A 500 - 3000 psi (35 - 210 bar), 700 psi (50 bar) Standard Setting 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 W 750 - 4500 psi (50 - 315 bar), 1000 psi (70 bar) Standard Setting | | N Buna-N E EPDM V Viton | | Standard Material/Coating /AP Stainless Steel, Passivated /LH Mild Steel, Zinc-Nickel |

TECHNICAL FEATURES

- Note: This valve has no relieving capability. It should not be used in a dead-headed application. If the reduced pressure side of the circuit has very low leakage the pressure may rise significantly. The pressure rise will vary from valve to valve.
- This type of valve, PR*R, is a good replacement for an LP*C as a normally open, restrictive compensating element if a higher pressure drop across an orifice is needed.
- Cartridges configured with EPDM seals are for use in systems with phosphate ester fluids. Exposure to petroleum based fluids, greases and lubricants will damage the seals.
- Full reverse flow from reduced pressure (port 1) to inlet (port 2) may cause the main spool to close. If reverse free flow is required in the circuit, consider adding a separate check valve to the circuit.
- All spring ranges are tested for correct operation with 5000 psi (350 bar) inlet pressure.
- Suitable for accumulator circuits since the absence of pilot control flow results in reduced secondary circuit leakage.
- Direct operated version offers superior dynamic response compared to equivalent pilot operated models.
- Pressure at port 3 is directly additive to the valve setting at a 1:1 ratio and should not exceed 5000 psi (350 bar).
- Leakage specified in Technical Data is out of port 3 with a supply pressure of 2000 psi (140 bar) and the valve set at mid range. This leakage is directly proportional to pressure differential and inversely proportional to viscosity expressed in centistokes.
- Incorporates the Sun floating style construction to minimize the possibility of internal parts binding due to excessive installation torque and/or cavity/cartridge
 machining variations.

PERFORMANCE CURVES

