



Externally drained, pilot-operated 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). Draining the pilot section at port 4 makes these valves insensitive to pressure at tank (port 3) and provides a means for remote control by pilot or 2-way valves.

TECHNICAL DATA

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

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|--|------------------------------------|
| Factory Pressure Settings Established at | blocked control port (dead headed) |
| Maximum Operating Pressure | 350 bar |
| Control Pilot Flow | 0,11 - 0,16 L/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: 990021007 |
| Seal kit - Cartridge | EPDM: 990021014 |
| Seal kit - Cartridge | Polyurethane: 990021002 |
| Seal kit - Cartridge | Viton: 990021006 |

NOTES

Maximum pressure differentials for spring ranges: A and B are 3000 psi (210 bar) D and E are 2000 psi (140 bar) W is 5000 psi (350 bar) inlet pressure

CONFIGURATION OPTIONS

Model Code Example: PVDALAN

| CONTROL | (L) ADJUSTMENT RANGE | (A) SEAL MATERIAL | (N) MATERIAL/COATING |
|---|---|-------------------|---------------------------------|
| L Standard Screw Adjustment | A 100 - 3000 psi (7 - 210 bar), 200 psi (14 bar) Standard Setting | N Buna-N | Standard Material/Coating |
| C Tamper Resistant - Factory Set | B 50 - 1500 psi (3,5 - 105 bar), 200 psi (14 bar) Standard Setting | V Viton | /AP Stainless Steel, Passivated |
| K Handknob | D 25 - 800 psi (1,7 - 55 bar), 200 psi (14 bar) Standard Setting | | /LH Mild Steel, Zinc-Nickel |
| Y Tri-Grip Handknob | E 25 - 400 psi (1,7 - 28 bar), 200 psi (14 bar) Standard Setting | | |
| | W 150 - 4500 psi (10,5 - 315 bar), 200 psi (14 bar) Standard Setting | | |