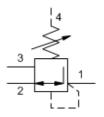
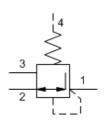
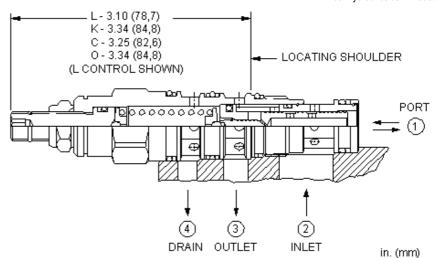
SERIES 1 / CAPACITY: 40 L/min. / CAVITY: T-21A



sunhydraulics.com/model/PSDB







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). Draining port 4 makes the valve insensitive to pressure at 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	0.25 gpm
Maximum Operating Pressure	350 bar
Maximum Valve Leakage at 110 SUS (24 cSt)	30 cc/min.@70 bar
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	Polyurethane: 990021002
Seal kit - Cartridge	Viton: 990021006

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: PSDBLAN

Standard Screw Adjustment

- Tamper Resistant Factory Set
- K Handknob

CONTROL

O Handknob with Panel Mount

A 500 - 3000 psi (35 - 210 bar), 700 psi (50 bar) Standard Setting

(L) ADJUSTMENT RANGE

- **B** 50 1500 psi (3,5 105 bar), 200 psi (14 bar) Standard Setting
- 25 800 psi (1,7 55 bar), 200 psi (14 bar) Standard Setting
- 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

(A) SEAL MATERIAL N Buna-N

Standard Material/Coating

(N) MATERIAL/COATING

/LH Mild Steel, Zinc-Nickel

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