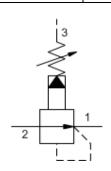


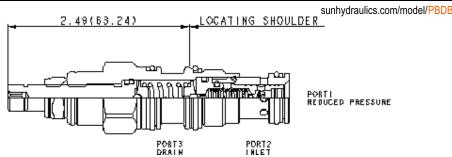


Pilot-operated, pressure reducing valve

SERIES 1 / CAPACITY: 10 gpm / CAVITY: T-11A







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.

## **CONFIGURATION**

L	Control	Standard Screw Adjustment
В	Adjustment Range	50 - 1500 psi (3,5 - 105 bar), 200 psi (14 bar) Standard Setting
N	Seal Material	Buna-N
(none) Material/Coating		Standard Material/Coating

### **TECHNICAL DATA**

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

	Factory Pressure Settings Established at	blocked control port (dead headed)
	Maximum Operating Pressure	5000 psi
-	Control Pilot Flow	7 - 10 in³/min.
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: 990011007
	Seal kit - Cartridge	EPDM: 990011014
	Seal kit - Cartridge	Polyurethane: 990011002
	Seal kit - Cartridge	Viton: 990011006

#### **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
- 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: PBDBLBN

### L Standard Screw Adjustment

- C Tamper Resistant Factory Set
- **K** Handknob

**CONTROL** 

- W Hex Wrench Adjustment
- Y Tri-Grip Handknob

# **B** 50 - 1500 psi (3,5 - 105 bar), 200 psi

(L) ADJUSTMENT RANGE

- (14 bar) Standard Setting A 100 - 3000 psi (7 - 210 bar), 200 psi (14
- bar) Standard Setting
- W 150 4500 psi (10,5 315 bar), 200 psi (14 bar) Standard Setting
- N 60 800 psi (4 55 bar), 200 psi (14 bar) Standard Setting
- Q 60 400 psi (4 28 bar), 200 psi (14 bar) Standard Setting

## (B) SEAL MATERIAL N Buna-N

Viton

## (N) MATERIAL/COATING Standard Material/Coating

/AP Stainless Steel, Passivated /LH Mild Steel, Zinc-Nickel

© 2019 Sun Hydraulics 1 of 1