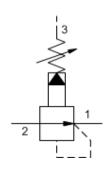




Pilot-operated, pressure reducing valve

SERIES 2 / CAPACITY: 20 gpm / CAVITY: T-2A





Sunhydraulics.com/model/PBFE

2.81(71.37)

LOCATING SHOULDER

PORTI
REPUCED PRESSURE

PORTS
PORTS
PORTS
PORTS
PORTS
PORTS

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	10 - 15 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: 990202007
Seal kit - Cartridge	EPDM: 990202014
Seal kit - Cartridge	Polyurethane: 990002002
Seal kit - Cartridge	Viton: 990202006

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: PBFBLBN

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 (14 bar) Standard Setting

(L) ADJUSTMENT RANGE

- **A** 100 3000 psi (7 210 bar), 200 psi (14 **V** Viton 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

E EPDM
V Viton

Standard Material/Coating

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

(N) MATERIAL/COATING

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