



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.

Maximum Operating Pressure	5000 psi
Factory Pressure Settings Established at	0.25 gpm
Maximum Valve Leakage at 110 SUS (24 cSt)	3 in <sup>3</sup> /min.@1000 psi
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: 990-022-007
Seal kit - Cartridge	Polyurethane: 990-022-002
Seal kit - Cartridge	Viton: 990-022-006

**CONFIGURATION OPTIONS**

**Model Code Example: PSFBLAN**

**CONTROL**

- L** Standard Screw Adjustment
- C** Tamper Resistant - Factory Set
- K** Handknob

**(L) ADJUSTMENT RANGE**

- A** 750 - 3000 psi (50 - 210 bar), 1000 psi (70 bar) Standard Setting
- B** 300 - 1500 psi (20 - 105 bar), 500 psi (35 bar) Standard Setting
- D** 200 - 800 psi (14 - 55 bar), 400 psi (28 bar) Standard Setting
- E** 100 - 400 psi (7 - 28 bar), 200 psi (14 bar) Standard Setting
- S** 50 - 200 psi (3,5 - 14 bar), 100 psi (7 bar) Standard Setting

**(A) SEAL MATERIAL**

- N** Buna-N
- V** Viton

**(N)**