



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)	4 in ³ /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: 990-023-007
Seal kit - Cartridge	EPDM: 990-023-014
Seal kit - Cartridge	Polyurethane: 990-023-002
Seal kit - Cartridge	Viton: 990-023-006

CONFIGURATION OPTIONS

Model Code Example: **PSHBLAN**

CONTROL	(L)	ADJUSTMENT RANGE	(A)	SEAL MATERIAL	(N)
L Standard Screw Adjustment		A 750 - 3000 psi (50 - 210 bar), 1000 psi (70 bar) Standard Setting		N Buna-N	
C Tamper Resistant - Factory Set		B 300 - 1500 psi (20 - 105 bar), 500 psi (35 bar) Standard Setting		E EPDM	
K Handknob		D 200 - 800 psi (14 - 55 bar), 400 psi (28 bar) Standard Setting		V Viton	
		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			
		W 1100 - 4500 psi (76 - 315 bar), 1100 psi (76 bar) Standard Setting			