



Pilot-operated, 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).

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

Maximum Operating Pressure	5000 psi
Control Pilot Flow	7 - 10 in <sup>3</sup> /min.
Factory Pressure Settings Established at	blocked control port (dead headed)
Adjustment - No. of CW Turns from Min. to Max. setting	5
Locknut Hex Size	1/2 in.
Locknut Torque	80 - 90 lbf in.
Seal kit - Cartridge	Buna: 990-163-007
Seal kit - Cartridge	EPDM: 990-163-014
Seal kit - Cartridge	Polyurethane: 990-163-002
Seal kit - Cartridge	Viton: 990-163-006

**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

**CONFIGURATION OPTIONS**

**Model Code Example: PPBBLAN**

CONTROL	(L)	ADJUSTMENT RANGE	(A)	SEAL MATERIAL	(N)	MATERIAL/COATING
L Standard Screw Adjustment		A 75 - 3000 psi (5 - 210 bar), 200 psi (14 bar) Standard Setting		N Buna-N		Standard Material/Coating
C Tamper Resistant - Factory Set		B 75 - 1500 psi (5 - 105 bar), 200 psi (14 bar) Standard Setting		E EPDM		JAP Stainless Steel, Passivated
K Handknob		N 75 - 800 psi (5 - 55 bar), 200 psi (14 bar) Standard Setting		V Viton		LH Mild Steel, Zinc-Nickel
		Q 75 - 400 psi (5 - 28 bar), 200 psi (14 bar) Standard Setting				
		W 100 - 4500 psi (7 - 315 bar), 200 psi (14 bar) Standard Setting				