



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	9/16 in.
Locknut Torque	80 - 90 lbf in.
Seal kit - Cartridge	Buna: 990-011-007
Seal kit - Cartridge	EPDM: 990-011-014
Seal kit - Cartridge	Polyurethane: 990-011-002
Seal kit - Cartridge	Viton: 990-011-006

- 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
  - 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: PPDBLANN**

CONTROL	(L)	(N)	SEALS/MATERIALS	(N)	MATERIAL/COATING	
<b>L</b>	Standard Screw Adjustment	<b>N</b>	60 - 800 psi (4 - 55 bar), 200 psi (14 bar) Standard Setting	<b>N</b>	Buna-N	Standard Material/Coating
<b>C</b>	Tamper Resistant - Factory Set	<b>A</b>	100 - 3000 psi (7 - 210 bar), 200 psi (14 bar) Standard Setting	<b>V</b>	Viton	<b>/AP</b> Stainless Steel, Passivated
<b>K</b>	Handknob	<b>B</b>	50 - 1500 psi (3,5 - 105 bar), 200 psi (14 bar) Standard Setting			<b>/LH</b> Mild Steel, Zinc-Nickel
<b>W</b>	Hex Wrench Adjustment	<b>C</b>	150 - 6000 psi (10,5 - 420 bar), 200 psi (14 bar) Standard Setting			
<b>Y</b>	Tri-Grip Handknob	<b>D</b>	25 - 800 psi (1,7 - 55 bar), 200 psi (14 bar) Standard Setting			
		<b>E</b>	25 - 400 psi (1,7 - 28 bar), 200 psi (14 bar) Standard Setting			
		<b>Q</b>	60 - 400 psi (4 - 28 bar), 200 psi (14 bar) Standard Setting			
		<b>W</b>	150 - 4500 psi (10,5 - 315 bar), 200 psi (14 bar) Standard Setting			