



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). 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)	2 in <sup>3</sup> /min.
Adjustment - No. of CW Turns from Min. to Max. setting	7
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	Viton: 990-163-006

**CONFIGURATION OPTIONS**

**Model Code Example: PRBBLANV**

CONTROL	(L)	ADJUSTMENT RANGE	(A)	SEAL MATERIAL	(V)	MATERIAL/COATING
<b>L</b> Standard Screw Adjustment		<b>A</b> 500 - 3000 psi (35 - 210 bar), 700 psi (50 bar) Standard Setting		<b>V</b> Viton		Standard Material/Coating
<b>C</b> Tamper Resistant - Factory Set		<b>B</b> 50 - 1500 psi (3,5 - 105 bar), 200 psi (14 bar) Standard Setting		<b>E</b> EPDM		<b>/AP</b> Stainless Steel, Passivated
		<b>D</b> 25 - 800 psi (1,7 - 55 bar), 200 psi (14 bar) Standard Setting		<b>N</b> Buna-N		<b>/LH</b> Mild Steel, Zinc-Nickel
		<b>E</b> 25 - 400 psi (1,7 - 28 bar), 200 psi (14 bar) Standard Setting				
		<b>W</b> 750 - 4500 psi (50 - 315 bar), 1000 psi (70 bar) Standard Setting				