


[sunhydraulics.com/model/PRDB](http://sunhydraulics.com/model/PRDB)

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.

### CONFIGURATION

<b>O</b>	Control	Handknob with Panel Mount
<b>E</b>	Adjustment Range	25 - 400 psi (1,7 - 28 bar), 200 psi (14 bar) Standard Setting
<b>N</b>	Seal Material	Buna-N
<b>(none)</b>	Material/Coating	

### TECHNICAL DATA

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

Maximum Operating Pressure	350 bar
Factory Pressure Settings Established at	0.25 gpm
Maximum Valve Leakage at 110 SUS (24 cSt)	30 cc/min.
Adjustment - No. of CW Turns from Min. to Max. setting	5
Locknut Hex Size	15 mm
Locknut Torque	9 - 10 Nm
Seal kit - Cartridge	Buna: 990011007
Seal kit - Cartridge	EPDM: 990011014
Seal kit - Cartridge	Polyurethane: 990011002
Seal kit - Cartridge	Viton: 990011006

**NOTES** 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: PRDBArray

CONTROL	(O) ADJUSTMENT RANGE	(E) SEAL MATERIAL	(N) MATERIAL/COATING
<b>O</b> Handknob with Panel Mount	<b>E</b> 25 - 400 psi (1,7 - 28 bar), 200 psi (14 bar) Standard Setting	<b>N</b> Buna-N	Standard Material/Coating
<b>L</b> Standard Screw Adjustment		<b>E</b> EPDM	/AP Stainless Steel, Passivated
<b>C</b> Tamper Resistant - Factory Set	<b>A</b> 500 - 3000 psi (35 - 210 bar), 700 psi (50 bar) Standard Setting	<b>V</b> Viton	/LH Mild Steel, Zinc-Nickel
<b>K</b> Handknob			
<b>Y</b> Tri-Grip Handknob	<b>W</b> 750 - 4500 psi (50 - 315 bar), 1000 psi (70 bar) Standard Setting		
	<b>B</b> 50 - 1500 psi (3,5 - 105 bar), 200 psi (14 bar) Standard Setting		
	<b>D</b> 25 - 800 psi (1,7 - 55 bar), 200 psi (14 bar) Standard Setting		
	<b>S</b> 25 - 200 psi (1,7 - 14 bar), 100 psi (7 bar) Standard Setting		