


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

### CONFIGURATION

<b>L</b>	Control	Standard Screw Adjustment
<b>B</b>	Adjustment Range	300 - 1500 psi (20 - 105 bar), 1000 psi (70 bar) Standard Setting
<b>N</b>	Seal Material	Buna-N
<b>(none)</b>	Material/Coating	

Direct-acting relief cartridges are normally closed, pressure-limiting valves used to protect hydraulic components from pressure transients. When the pressure at the inlet (port 1) reaches the valve setting, the valve starts to open to tank (port 2), throttling flow to limit the pressure rise. These valves are smooth and quiet, essentially zero leak, dirt tolerant, immune to silting and are very fast.

### TECHNICAL DATA

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

Maximum Operating Pressure	350 bar
Factory Pressure Settings Established at	15 L/min.
Maximum Valve Leakage at Reseat	0,7 cc/min.
Response Time - Typical	2 ms
Reseat	>85% of crack setting
Adjustment - No. of CW Turns from Min. to Max. setting	6
Locknut Hex Size	12,7 mm
Locknut Torque	9 - 10 Nm
Seal kit - Cartridge	Buna: 990162007
Seal kit - Cartridge	EPDM: 990162014
Seal kit - Cartridge	Polyurethane: 990162002
Seal kit - Cartridge	Viton: 990162006

### CONFIGURATION OPTIONS

Model Code Example: RDBALBN

CONTROL	(L) ADJUSTMENT RANGE	(B) SEAL MATERIAL	(N) MATERIAL/COATING
<b>L</b> Standard Screw Adjustment	<b>B</b> 300 - 1500 psi (20 - 105 bar), 1000 psi (70 bar) Standard Setting	<b>N</b> Buna-N	Standard Material/Coating
<b>C</b> Tamper Resistant - Factory Set	<b>A</b> 500 - 3000 psi (35 - 210 bar), 1000 psi (70 bar) Standard Setting	<b>E</b> EPDM	/AP Stainless Steel, Passivated
<b>K</b> Handknob	<b>W</b> 800 - 4500 psi (55 - 315 bar), 1000 psi (70 bar) Standard Setting	<b>V</b> Viton	/LH Mild Steel, Zinc-Nickel
	<b>C</b> 1000 - 6000 psi (70 - 420 bar), 1000 psi (70 bar) Standard Setting		
	<b>D</b> 200 - 800 psi (14 - 55 bar), 400 psi (28 bar) Standard Setting		
	<b>E</b> 100 - 400 psi (7 - 28 bar), 200 psi (14 bar) Standard Setting		
	<b>S</b> 50 - 200 psi (3,5 - 14 bar), 100		

psi (7 bar) Standard Setting