



The bi-directional, direct-acting relief cartridge is a normally closed, pressure-limiting valve used to protect hydraulic components from pressure transients. When the pressure differential between ports 1 and 2 exceeds the valve setting, the valve starts to open, throttling flow to limit the pressure rise, regardless of the direction.

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

Maximum Operating Pressure	5000 psi
Factory Pressure Settings Established at	4 gpm
Maximum Valve Leakage at Reseat	10 drops/min.
Response Time - Typical	2 ms
Reseat	>85% of setting
Hysteresis	≤ 3 %
Adjustment - No. of CW Turns from Min. to Max. setting	5
Seal kit - Cartridge	Buna: 990-310-007
Seal kit - Cartridge	Viton: 990-310-006
U.S. Patent #	11,384,857

CONFIGURATION OPTIONS

Model Code Example: **RBDALAN**

CONTROL	(L)	ADJUSTMENT RANGE	(A)	SEAL MATERIAL	(N)
L Standard Screw Adjustment		A 1200 - 3000 psi (85-210 bar), 1500 psi (105 bar) Standard Setting		N Buna-N	
C Tamper Resistant - Factory Set		W 3000 - 5000 psi (210 - 350 bar), 4000 psi (280 bar) Standard Setting		V Viton	