

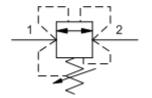


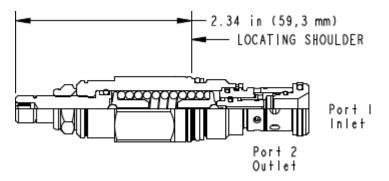
Bi-directional, direct-acting relief valve

CAPACITY: 25 gpm / CAVITY: T-10A



sunhydraulics.com/model/RBDA





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

(A)

CONFIGURATION OPTIONS

Model Code Example: RBDALAN

CONTROL (L) ADJUSTMENT RANGE

SEAL MATERIAL

(N)

. Standard Screw Adjustment

C Tamper Resistant - Factory Set

A 1200 - 3000 psi (85-210 bar), 1500 psi (105 bar) Standard Setting

W 3000 - 5000 psi (210 - 350 bar), 4000 psi (280 bar) Standard Setting N Buna-NV Viton

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