

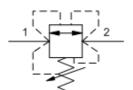


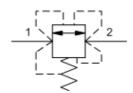
Bi-directional direct-acting relief valve

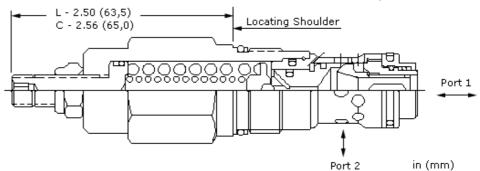
SERIES 2 / CAPACITY: 120 L/min. / CAVITY: T-3A



sunhydraulics.com/model/RBF







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.

Both directions have very similar setting and performance.

## **TECHNICAL DATA**

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

Factory Pressure Settings Established at	15 L/min.
Maximum Operating Pressure	350 bar
Maximum Valve Leakage at Reseat	30 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: 990303007
Seal kit - Cartridge	Polyurethane: 990303002
Seal kit - Cartridge	Viton: 990303006

## **CONFIGURATION OPTIONS**

Model Code Example: RBFALWN

CONTROL (L) ADJUSTMENT RANGE (W) SEAL MATERIAL (N) **W** 800 - 4500 psi (55 - 315 bar), 1000 psi L Standard Screw Adjustment

(70 bar) Standard Setting C Tamper Resistant - Factory Set

C 1500 - 6000 psi (105 - 420 bar), 1500

psi (105 bar) Standard Setting

N Buna-N **E** EPDM

**V** Viton

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