

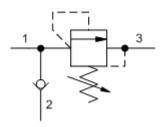


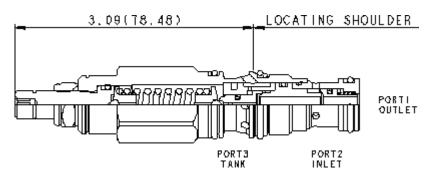
Direct-acting relief valve - after check

CAPACITY: 10 gpm / CAVITY: T-11A



sunhydraulics.com/model/HRDB





The relief-after-check cartridge is a CavitySaver™ (multi-function) valve incorporating a direct-acting relief tee'd in after a check function. The check valve flow is from the inlet (port 2) to the system port (port1). When the pressure in the system (port 1) reaches the relief valve setting, the valve starts to open to tank (port 3), 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	5000 psi
Check Cracking Pressure	25 psi
Factory Pressure Settings Established at	4 gpm
Maximum Valve Leakage at Reseat	5 drops/min.
Response Time - Typical	10 ms
Adjustment - No. of CW Turns from Min. to Max. setting	6
Locknut Hex Size	9/16 in.
Locknut Torque	80 - 90 lbf in.
Seal kit - Cartridge	Buna: 990-011-007
Seal kit - Cartridge	Polyurethane: 990-011-002
Seal kit - Cartridge	Viton: 990-011-006

CONFIGURATION OPTIONS

CONTROL (L)

L Standard Screw Adjustment

C Tamper Resistant - Factory Set

K Handknob

Model Code Example: HRDBLAN
ADJUSTMENT RANGE (A)

A E00 2000 pci /2E 210 bar

A 500 - 3000 psi (35 - 210 bar), 1000 psi (70 bar) Standard Setting

W 800 - 4500 psi (55 - 315 bar), 1000 psi (70 bar) Standard Setting

SEAL MATERIAL (N) MATERIAL/COATING

N Buna-N V Viton Standard Material/Coating

/AP Stainless Steel, Passivated

Mild Steel, Zinc-Nickel

/LH

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