

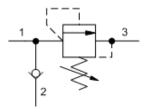
MODEL HRDB

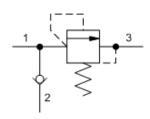
Direct-acting relief valve - after check

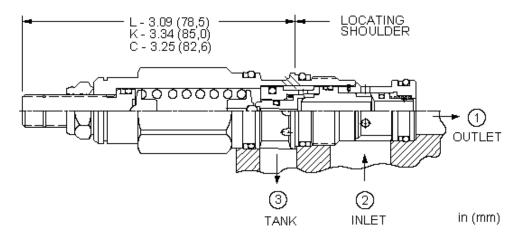
SERIES 1 / CAPACITY: 10 gpm / CAVITY: T-11A



snhy.com/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.

| Factory Pressure Settings Established at | 4 gpm |
|--|-------------------------|
| Maximum Operating Pressure | 5000 psi |
| Maximum Valve Leakage at Reseat | 5 drops/min. |
| Check Cracking Pressure | 25 psi |
| 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: 990011007 |
| Seal kit - Cartridge | Polyurethane: 990011002 |
| Seal kit - Cartridge | Viton: 990011006 |

CONFIGURATION OPTIONS

Model Code Example: HRDBLAN

CONTROL

(L) ADJUSTMENT RANGE

(A) SEAL MATERIAL

(N) MATERIAL/COATING

L Standard Screw Adjustment

C Tamper Resistant - Factory Set K Handknob

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

N Buna-N V Viton

Standard Material/Coating /AP Stainless Steel, Passivated /LH Mild Steel, Zinc-Nickel

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

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