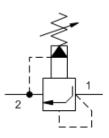


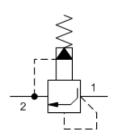
MODEL RPIT

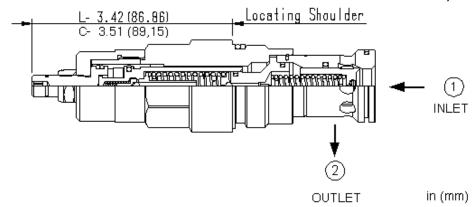
Anti-Shock, pilot-operated, balanced poppet relief valve SERIES 3 / CAPACITY: 100 gpm / CAVITY: T-16A



snhy.com/RPIT







Pilot-operated, anti shock relief cartridges limit maximum system pressure and also limit the rate of pressure rise. The valve opens and then ramps closed at a constant speed, independent of settings and flows. The adjust screw determines the maximum (relief) setting and the minimum (threshold) setting.

TECHNICAL DATA

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

Factory Pressure Settings Established at	4 gpm
Maximum Operating Pressure	5000 psi
Control Pilot Flow	10 - 25 in³/min.
Pressure Ramp Up Time	300 - 500 ms
Response Time - Typical	2 ms
Adjustment - No. of CW Turns from Min. to Max. setting	4.5
Locknut Hex Size	9/16 in.
Locknut Torque	80 - 90 lbf in.
U.S. Patent #	6,039,070
Seal kit - Cartridge	Buna: 990316007
Seal kit - Cartridge	Viton: 990316006

NOTES

CONTROL

- Patents: US#6,039,070; Germany EP 1 001 197; Japan #3,119,230
- Patents: US#6,039,070; Germany EP 1 001 197; Japan #3,119,230

CONFIGURATION OPTIONS

Model Code Example: RPITLAN

L Standard Screw Adjustment

(L) ADJUSTMENT RANGE

(A) SEAL MATERIAL

(N) MATERIAL/COATING

C Tamper Resistant - Factory Set

A 2000 - 3000 psi (140 - 210 bar), 2000 psi (140 bar) Standard Setting

N Buna-N V Viton

Standard Material/Coating /AP Stainless Steel, Passivated

C 4500 - 6000 psi (315 - 420 bar), 4500 psi (315 bar) Standard Setting **W** 3000 - 4500 psi (210 - 315 bar), 3000 psi (210 bar) Standard Setting

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