

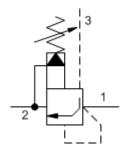


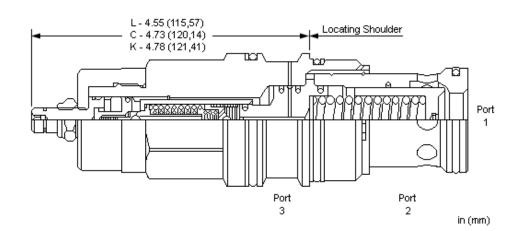
Anti-Shock, ventable, pilot-operated, balanced poppet relief valve

CAPACITY: 120 gpm / CAVITY: T-19A



sunhydraulics.com/model/RVIT





Ventable, 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. These 3 port valves include a vent port (port 3) that connects between the main piston and the pilot stage to provide for remote control by other pilot or 2-way valves. The adjust screw determines the maximum (relief) setting and the minimum (threshold) setting.

## **TECHNICAL DATA** NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

Maximum Operating Pressure	5000 psi
Control Pilot Flow	15 - 20 in³/min.
Factory Pressure Settings Established at	4 gpm
Pressure Ramp Up Time	400 - 850 ms
Response Time - Typical	2 ms
Adjustment - No. of CW Turns from Min. to Max. setting	5
Locknut Hex Size	9/16 in.
Locknut Torque	80 - 90 lbf in.
Seal kit - Cartridge	Buna: 990-219-007
Seal kit - Cartridge	Viton: 990-219-006

## **CONFIGURATION OPTIONS** CONTROL

Standard Screw Adjustment

Tamper Resistant - Factory Set

Model Code Example: RVITLANV

ADJUSTMENT RANGE

(L)

(A)

**SEAL MATERIAL** 

MATERIAL/COATING

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

1000 - 6000 psi (70 - 420 bar), 1000 psi (70 bar) Standard Setting

1000 - 4500 psi (70 - 315 bar), 1000 psi (70 bar) Standard Setting Buna-N Viton

Standard Material/Coating

Stainless Steel, Passivated

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