



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.

Maximum Operating Pressure	5000 psi
Control Pilot Flow	10 - 25 in ³ /min.
Factory Pressure Settings Established at	4 gpm
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.
Seal kit - Cartridge	Buna: 990-316-007
Seal kit - Cartridge	Viton: 990-316-006
U.S. Patent #	6,039,070

NOTES: • Patents: US#6,039,070; Germany EP 1 001 197; Japan #3,119,230
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CONFIGURATION OPTIONS

Model Code Example: RPITLAN

CONTROL	(L)	ADJUSTMENT RANGE	(A)	SEAL MATERIAL	(N)	MATERIAL/COATING
L Standard Screw Adjustment		A 2000 - 3000 psi (140 - 210 bar), 2000 psi (140 bar) Standard Setting		N Buna-N		Standard Material/Coating
C Tamper Resistant - Factory Set		C 4500 - 6000 psi (315 - 420 bar), 4500 psi (315 bar) Standard Setting		V Viton		IAP Stainless Steel, Passivated
		W 3000 - 4500 psi (210 - 315 bar), 3000 psi (210 bar) Standard Setting				