



Pilot-operated, balanced-poppet relief cartridges are normally closed pressure regulating valves. When the pressure at the inlet (port 1) reaches the valve setting, the valve starts to open to tank (port 2), throttling flow to regulate the pressure. These valves are accurate, smooth, quiet, fast, and have low pressure rise vs. flow.

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

Maximum Operating Pressure	5000 psi
Factory Pressure Settings Established at	4 gpm
Maximum Valve Leakage at Reseat	10 drops/min.
Response Time - Typical	7 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: 990-316-007
Seal kit - Cartridge	EPDM: 990-316-014
Seal kit - Cartridge	Viton: 990-316-006

**CONFIGURATION OPTIONS**

**Model Code Example: RPISLAN**

CONTROL	(L)	ADJUSTMENT RANGE	(A)	SEAL MATERIAL	(N)	MATERIAL/COATING
<b>L</b> Standard Screw Adjustment		<b>A</b> 100 - 3000 psi (7 - 210 bar), 1000 psi (70 bar) Standard Setting		<b>N</b> Buna-N		Standard Material/Coating
<b>C</b> Tamper Resistant - Factory Set		<b>B</b> 50 - 1500 psi (3,5 - 105 bar), 1000 psi (70 bar) Standard Setting		<b>E</b> EPDM		<b>/AP</b> Stainless Steel, Passivated
<b>K</b> Handknob		<b>C</b> 150 - 6000 psi (10,5 - 420 bar), 1000 psi (70 bar) Standard Setting		<b>V</b> Viton		<b>/LH</b> Mild Steel, Zinc-Nickel
<b>Y</b> Tri-Grip Handknob		<b>N</b> 60 - 800 psi (4 - 55 bar), 400 psi (28 bar) Standard Setting				
		<b>Q</b> 60 - 400 psi (4 - 28 bar), 200 psi (14 bar) Standard Setting				
		<b>W</b> 150 - 4500 psi (10,5 - 315 bar), 1000 psi (70 bar) Standard Setting				