



in (mm)

Pilot-operated, balanced-piston 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, have low pressure rise vs. flow, they are smooth and quiet, and are moderately fast.

**TECHNICAL DATA**

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

Factory Pressure Settings Established at	15 L/min.
Maximum Operating Pressure	350 bar
Response Time - Typical	10 ms
Maximum Valve Leakage at 110 SUS (24 cSt)	50 cc/min.@70 bar
Adjustment - No. of CW Turns from Min. to Max. setting	6
Locknut Hex Size	15 mm
Locknut Torque	9 - 10 Nm
Seal kit - Cartridge	Buna: 990203007
Seal kit - Cartridge	EPDM: 990203014
Seal kit - Cartridge	Polyurethane: 990003002
Seal kit - Cartridge	Viton: 990203006

**NOTES** For Series 1 cartridges configured with an O control (panel mount handknob), a .75 in. (19 mm) diameter hole is required in the panel.

**CONFIGURATION OPTIONS**
**Model Code Example: RGFALCN**

CONTROL	(L) ADJUSTMENT RANGE	(C) SEAL MATERIAL	(N) MATERIAL/COATING
<b>L</b> Standard Screw Adjustment	<b>C</b> 18 - 50 psi (1,2 - 3,5 bar), 50 psi (3,5 bar) Standard Setting	<b>N</b> Buna-N	Standard Material/Coating
<b>C</b> Tamper Resistant - Factory Set	<b>E</b> 20 - 75 psi (1,4 - 5 bar), 75 psi (5 bar) Standard Setting	<b>V</b> Viton	IAP Stainless Steel, Passivated
<b>K</b> Handknob	<b>F</b> 35 - 80 psi (2,4 - 5,5 bar), 80 psi (5,5 bar) Standard Setting		
<b>O</b> Handknob with Panel Mount	<b>G</b> 30 - 150 psi (2 - 10,5 bar), 150 psi (10,5 bar) Standard Setting		