



Direct-acting relief cartridges are normally closed, pressure-limiting valves used to protect hydraulic components from pressure transients. When the pressure at the inlet (port 1) reaches the valve setting, the valve starts to open to tank (port 2), throttling flow to limit the pressure rise.

**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 110 SUS (24 cSt)	3 in <sup>3</sup> /min. @1000 psi
Response Time - Typical	10 ms
Adjustment - No. of CW Turns from Min. to Max. setting	6
Locknut Hex Size	9/16 in.
Locknut Torque	80 - 90 lbf in.
Seal kit - Cartridge	Buna: 990-203-007
Seal kit - Cartridge	EPDM: 990-203-014
Seal kit - Cartridge	Polyurethane: 990-003-002
Seal kit - Cartridge	Viton: 990-203-006

**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
L Standard Screw Adjustment		C 18 - 50 psi (1,2 - 3,5 bar), 50 psi (3,5 bar) Standard Setting		N Buna-N		Standard Material/Coating
C Tamper Resistant - Factory Set		E 20 - 75 psi (1,4 - 5 bar), 75 psi (5 bar) Standard Setting		E EPDM		IAP Stainless Steel, Passivated
K Handknob		F 35 - 80 psi (2,4 - 5,5 bar), 80 psi (5,5 bar) Standard Setting		V Viton		
		G 30 - 150 psi (2 - 10,5 bar), 150 psi (10,5 bar) Standard Setting				