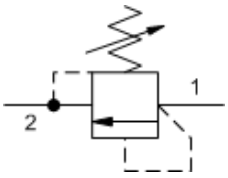
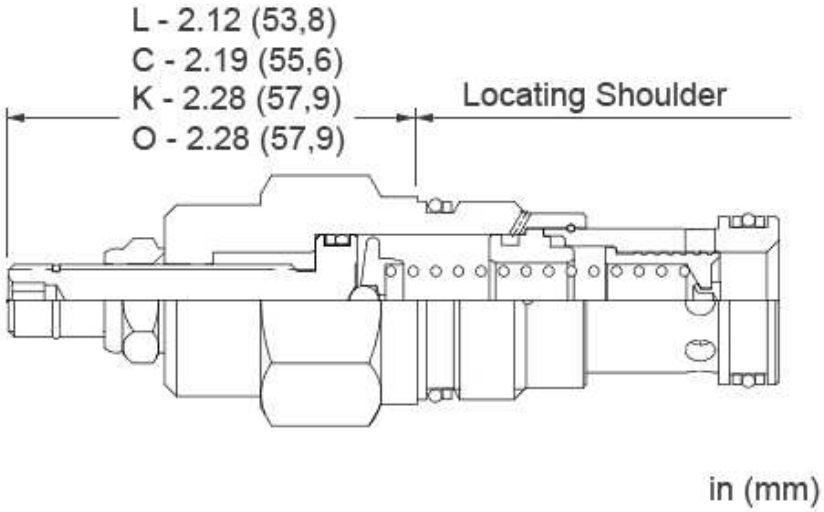
MODEL
RGFA

Low-pressure-range, direct-acting relief valve
SERIES 2 / CAPACITY: 50 gpm / CAVITY: T-3A

sunhydraulics.com/model/RGFA





in (mm)

CONFIGURATION

L	Control	Standard Screw Adjustment
F	Adjustment Range	35 - 80 psi (2,4 -5,5 bar), 80 psi (5,5 bar) Standard Setting
N	Seal Material	Buna-N
(none)	Material/Coating	

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.

Factory Pressure Settings Established at	4 gpm
Maximum Operating Pressure	5000 psi
Maximum Valve Leakage at 110 SUS (24 cSt)	3 in³/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: 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: RGFALFN

CONTROL (L)

- **L** Standard Screw Adjustment
- **C** Tamper Resistant - Factory Set
- **K** Handknob
- **O** Handknob with Panel Mount

ADJUSTMENT RANGE (F)

- **F** 35 - 80 psi (2,4 -5,5 bar), 80 psi (5,5 bar) Standard Setting
- **C** 18 - 50 psi (1,2 - 3,5 bar), 50 psi (3,5 bar) Standard Setting
- **E** 20 - 75 psi (1,4 - 5 bar), 75 psi (5 bar) Standard Setting
- **G** 30 - 150 psi (2 - 10,5 bar), 150 psi (10,5 bar) Standard Setting

SEAL MATERIAL (N)

- **N** Buna-N
- **E** EPDM
- **V** Viton

MATERIAL/COATING

- Standard Material/Coating
- **/AP** Stainless Steel, Passivated

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