

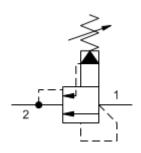
MODEL RQGB

Kick-down, pilot-operated, balanced piston relief valve

CAPACITY: 50 gpm / CAVITY: T-3A

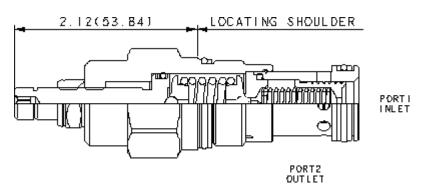


sunhydraulics.com/model/RQGB



## **CONFIGURATION**

L	Control	Standard Screw Adjustment
Α	Adjustment Range	100 - 3000 psi (7 - 210 bar), 1000 psi (70 bar) Standard Setting
N	Seal Material	Buna-N
	Material/Coating	



Kick-down relief cartridges act similar to a circuit breaker in an electrical system. The valves will kick completely open and remain open once the pressure at the inlet (port 1) exceeds the valve settting, creating an unrestricted flow path from port 1 to tank (port 2). The valve remains open as long

as the pressure at port 1 exceeds the pressure at port 2. To reset the valve, flow from port 1 to port 2 must cease and pressure at port 2 must be equal to or greater than the pressure at port 1.

## **TECHNICAL DATA**

Maximum Operating Pressure	5000 psi
Factory Pressure Settings Established at	Kick down point
Maximum Valve Leakage at 110 SUS (24 cSt)	3 in <sup>3</sup> /min.@1000 psi
Response Time - Typical	25 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: 990-203-007
Seal kit - Cartridge	Polyurethane: 990-003-002
Seal kit - Cartridge	Viton: 990-203-006

NOTES: • Do not use in load holding applications.

• 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 CONTROL

L Standard Screw Adjustment

**A** 100

(L)

## Model Code Example: RQGBLAN

ADJUSTMENT RANGE

(A) SEAL MATERIAL

(N)

MATERIAL/COATING

(/LH)

Standard Screw AdjustmentTamper Resistant - Factory Set

A 100 - 3000 psi (7 - 210 bar), 1000 psi (70 bar) Standard Setting

**B** 50 - 1500 psi (3,5 - 105 bar), 1000 psi (70 bar) Standard Setting

C 150 - 6000 psi (10,5 - 420 bar), 1000 psi (70 bar) Standard Setting

**D** 25 - 800 psi (1,7 - 55 bar), 400 psi (28 bar) Standard Setting

E 25 - 400 psi (1,7 - 28 bar), 200 psi (14 bar) Standard Setting

Q 60 - 400 psi (4 - 28 bar), 200 psi (14 bar) Standard Setting

**W** 150 - 4500 psi (10,5 - 315 bar), 1000 psi (70 bar) Standard Setting N Buna-N // ILH Mild Steel, Zinc-Nickel

V Viton // IAP Stainless Steel, Passivated
Standard Material/Coating

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