

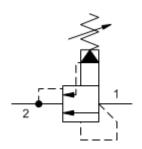


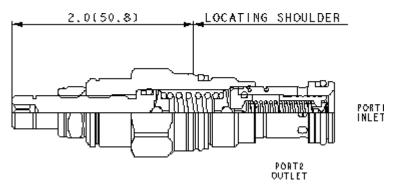
Kick-down, pilot-operated, balanced piston relief valve

CAPACITY: 25 gpm / CAVITY: T-10A



sunhydraulics.com/model/RQEB





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

Maximum Operating Pressure	5000 psi
Factory Pressure Settings Established at	Kick down point
Maximum Valve Leakage at 110 SUS (24 cSt)	2 in³/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: 990-010-007
Seal kit - Cartridge	Polyurethane: 990-010-002
Seal kit - Cartridge	Viton: 990-010-006

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

Standard Screw Adjustment

- Tamper Resistant Factory Set
- Κ Handknob

Model Code Example: RQEBLAN

ADJUSTMENT RANGE

(L)

(A)

(N)

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

- 50 1500 psi (3,5 105 bar), 1000 psi (70 bar) Standard Setting
- 150 6000 psi (10,5 420 bar), 1000 psi (70 bar) Standard Setting
- 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
- 60 800 psi (4 55 bar), 400 psi (28 bar) Standard Setting
- 60 400 psi (4 28 bar), 200 psi (14 bar) Standard Setting
- 150 4500 psi (10,5 315 bar), 1000 psi (70 bar) Standard Setting

SEAL MATERIAL MATERIAL/COATING

Standard Material/Coating Buna-N Viton /AP Stainless Steel, Passivated

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