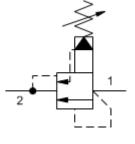
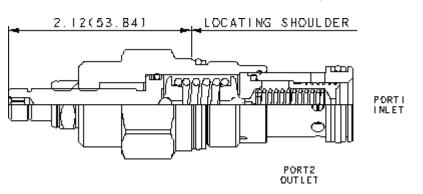


Kick-down, pilot-operated, balanced piston relief valve CAPACITY: 50 gpm / CAVITY: T-3A









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 setting, 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)	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)	Model Code Example: RQGBLANADJUSTMENT RANGE(A)			SEAL MATERIAL		MATERIAL/COATING	
L	Standard Screw Adjustment		А	100 - 3000 psi (7 - 210 bar), 1000	Ν	Buna-N			Standard Material/Coating
С	Tamper Resistant - Factory Set			psi (70 bar) Standard Setting	v	V Viton		/AP	Stainless Steel, Passivated
К	Handknob		В	50 - 1500 psi (3,5 - 105 bar), 1000				/LH	Mild Steel, Zinc-Nickel
0	Handknob with Panel Mount			psi (70 bar) Standard Setting					
W	Hex Wrench Adjustment	С	150 - 6000 psi (10,5 - 420 bar), 1000 psi (70 bar) Standard Setting	g					
			D	25 - 800 psi (1,7 - 55 bar), 400 psi (28 bar) Standard Setting					
			Е	25 - 400 psi (1,7 - 28 bar), 200 psi (14 bar) Standard Setting					

W 150 - 4500 psi (10,5 - 315 bar), 1000 psi (70 bar) Standard Setting