



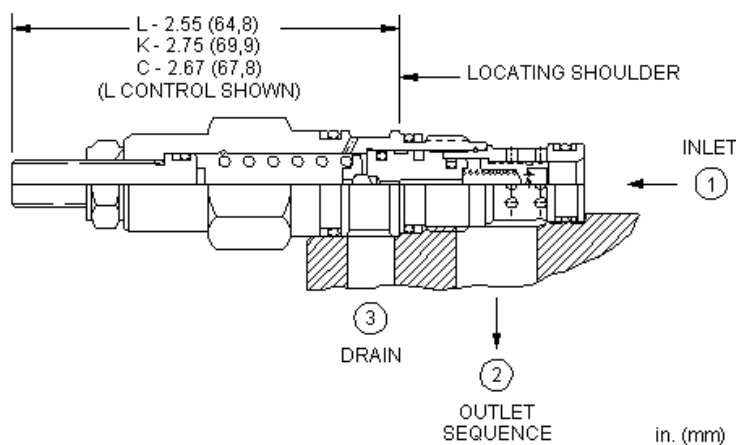
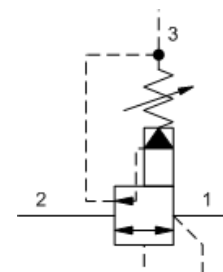
Kick-down, pilot operated, balanced piston sequence valve

Capacity:
7.5 gpm (30 L/min.)

Model:
SQBB

Product Description

Kick-down sequence 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 port 2 (sequence). The pressure setting at port 1 is relative to the drain (port 3). The valve remains open as long as the pressure at port 1 exceeds the pressure at port 2. To reset the valve, pressure at port 1 must fall below the setting of 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.



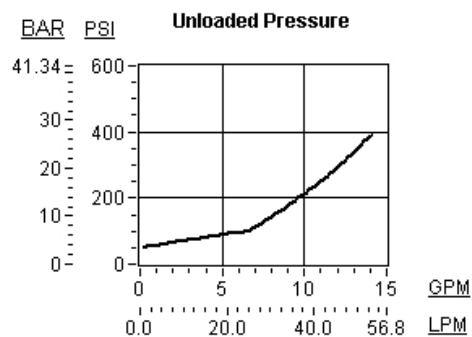
Technical Features

- Pressure at port 3 is directly additive to the valve setting at a 1:1 ratio and should not exceed 5000 psi (350 bar).
- Should not be used in load holding applications.
- All 3 port sequence cartridges are physically and functionally interchangeable (i.e. same flow path, same cavity for a given frame size).
- Intended for use on the actuator side of the system as flow through the valve must cease for the valve to reset. If used on the pump side of a system, pump flow must be shut off for the valve to reset.
- Incorporates the Sun floating style construction to minimize the possibility of internal parts binding due to excessive installation torque and/or cavity/cartridge machining variations.

Technical Data

	U.S. Units	Metric Units
Cavity	T-163A	
Capacity	7.5 gpm	30 L/min.
Factory Pressure Settings Established at	Kick down point	
Maximum Operating Pressure	5000 psi	350 bar
Maximum Valve Leakage at 110 SUS (24 cSt)	2 in ³ /min.	30 cc/min.
Response Time - Typical	25 ms	
Series (from Cavity)	Series 0	
Adjustment - Number of Clockwise Turns to Increase Setting	5	

Valve Hex Size	3/4 in.	19,1 mm
Valve Installation Torque	20 - 25 lbf ft	27 - 33 Nm
Adjustment Screw Internal Hex Size	5/32 in.	4 mm
Adjustment Locknut/Cap Hex Size	9/16 in.	15 mm
Adjustment Nut Torque	80 - 90 lbf in.	9 - 10 Nm
Seal Kits - Cartridge	Buna: 990-163-007	
Seal Kits - Cartridge	Viton: 990-163-006	
Model Weight	0.25 lb.	0.11 kg.



SQBB-LAN

Control	Adjustment Range	Seal Material
Standard Options	Standard Options	Standard Options
C* Tamper Resistant - Factory Set	A 75 - 3000 psi (5 - 210 bar), 1000 psi (70 bar) Standard Setting	N Buna-N
K Handknob		V Viton
L Standard Screw Adjustment	B 75 - 1500 psi (5 - 105 bar), 1000 psi (70 bar) Standard Setting	
	C 75 - 6000 psi (5 - 420 bar), 1000 psi (70 bar) Standard Setting	
	N 75 - 800 psi (5 - 55 bar), 400 psi (28 bar) Standard Setting	
	Q 75 - 400 psi (5 - 28 bar), 200 psi (14 bar) Standard Setting	
	W 75 - 4500 psi (5 - 315 bar), 1000 psi (70 bar) Standard Setting	

* Special Setting required, specify at time of order
Customer specified setting stamped on hex.