



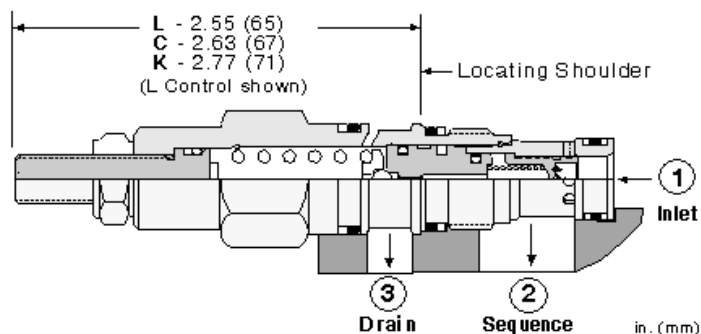
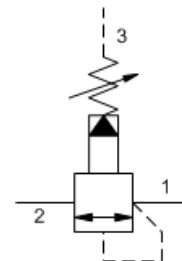
Pilot operated, balanced piston sequence valve

Capacity:
7.5 gpm (30 L/min.)

Model:
RSBC

Product Description

Pilot-operated, balanced piston sequence valves will supply a secondary circuit with flow once the pressure at the inlet (port 1) has exceeded the valve setting. The pressure setting of a sequence valve controls the pressure at port 1 relative to the pressure at the drain (port 3). These valves are insensitive to back pressure at port 2 (sequence), up to the valve setting. They may be used to regulate pressure in place of 2-port relief valves if there is pressure in the return line.



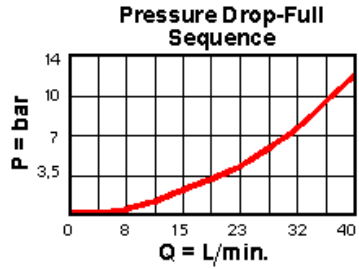
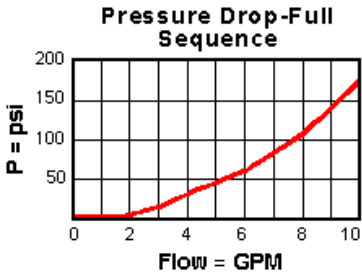
Technical Features

- Pressure at port 3 is directly additive to the valve setting at a 1:1 ratio and should not exceed 5000 psi (350 bar).
- The main stage orifice is protected by a 150 micron stainless steel screen.
- Pilot flow continues to increase as the pressure at port 1 (inlet), relative to the pressure at port 3 (drain), rises above the valve setting.
- All 3 port sequence cartridges are physically and functionally interchangeable (i.e. same flow path, same cavity for a given frame size).
- Minimum setting is 75 psi (5 bar) for all spring ranges.
- Not suitable for use in load holding applications due to spool leakage.
- 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	4 gpm	15 L/min.
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	10 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.



RSBC-LAN

Control	Adjustment Range	Seal Material
Preferred Options	Preferred Options	Preferred Options
L Standard Screw Adjustment Standard Options	A 75 - 3000 psi (5 - 210 bar), 1000 psi (70 bar) Standard Setting	N Buna-N Standard Options
C* Tamper Resistant - Factory Set	W 75 - 4500 psi (5 - 315 bar), 1000 psi (70 bar) Standard Setting	V Viton
K Handknob	Standard Options	
	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	

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