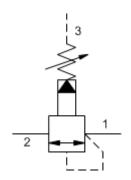
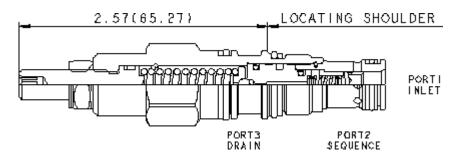
CAPACITY: 7.5 gpm / CAVITY: T-163A



sunhydraulics.com/model/RSBC





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

Cavity	T-163A
Series	0
Capacity	7.5 gpm
Maximum Operating Pressure	5000 psi
Factory Pressure Settings Established at	4 gpm
Maximum Valve Leakage at 110 SUS (24 cSt)	2 in³/min.
Response Time - Typical	10 ms
Adjustment - No. of CW Turns from Min. to Max. setting	5
Valve Hex Size	3/4 in.
Valve Installation Torque	20 - 25 lbf ft
Adjustment Screw Internal Hex Size	5/32 in.
Locknut Hex Size	9/16 in.
Locknut Torque	80 - 90 lbf in.
Model Weight	0.25 lb.
Seal kit - Cartridge	Buna: 990-163-007
Seal kit - Cartridge	Polyurethane: 990-163-002
Seal kit - Cartridge	Viton: 990-163-006

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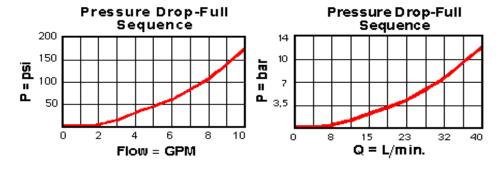
OPTION SELECTION EXAMPLE: RSBCLAN

CONTROL		ADJUSTMENT RANGE (A)		SEAL MATERIAL		(N)	MATERIAL/COATING		
L Standard Screw Adjustment) psi (5 - 210 bar), Standard Setting	1000 psi	N E	Buna-N EPDM		/AP	Standard Material/Coating Stainless Steel, Passivated
) psi (5 - 105 bar), Standard Setting	1000 psi	٧	Viton		/LH	Mild Steel, Zinc-Nickel
) psi (5 - 420 bar), Standard Setting	1000 psi					
			psi (5 - 55 bar), 40 dard Setting	0 psi (28					
		•	psi (5 - 28 bar), 20 dard Setting	0 psi (14					
) psi (5 - 315 bar), Standard Setting	1000 psi					

TECHNICAL FEATURES

- All 3 port sequence cartridges are physically and functionally interchangeable (i.e. same flow path, same cavity for a given frame size).
- 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.
- The main stage orifice is protected by a 150 micron stainless steel screen.
- Minimum setting is 75 psi (5 bar) for all spring ranges.
- Pressure at port 3 is directly additive to the valve setting at a 1:1 ratio and should not exceed 5000 psi (350 bar).
- Not suitable for use in load holding applications due to spool leakage.
- Cartridges configured with EPDM seals are for use in systems with phosphate ester fluids. Exposure to petroleum based fluids, greases and lubricants will damage the seals.
- 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.

PERFORMANCE CURVES



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