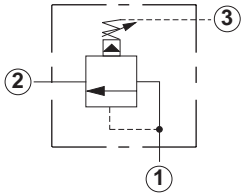


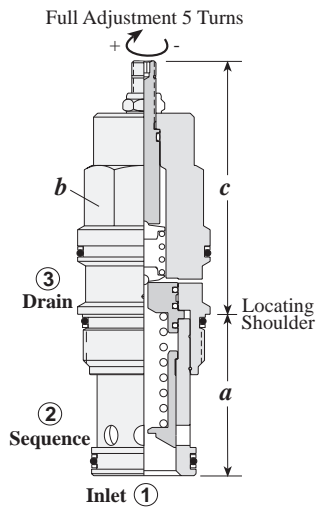
Sequence Valves

PILOT OPERATED



Capacity	Typical Cartridge Model Code	Cavity	Cartridge Dimensions					Installation Torque (lb. ft.)
			a	b	c		K	
7.5 GPM	RSBC – LAN	T - 163A	1.22	3/4"	2.55	2.63	2.77	25/30
15 GPM	RSDC – LAN	T - 11A	1.38	7/8"	2.50	2.56	2.75	30/35
30 GPM	RSFC – LAN	T - 2A	1.38	1 1/8"	2.81	2.88	3.06	45/50
60 GPM	RSHC – LAN	T - 17A	1.81	1 1/4"	3.28	3.31	3.53	150/160
120 GPM	RSJC – LAN	T - 19A	2.50	1 5/8"	3.94	4.09	4.19	350/375

OPTION ORDERING INFORMATION



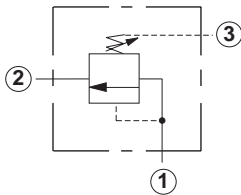
RS * C - * * *

Nominal Capacity	Control**	Adjustment Range	Seal
B 7.5 GPM*	L Standard Screw	A 100 - 3000 psi	N Buna-N
D 15 GPM	C Tamper Resistant	W 150 - 4500 psi	V Viton
F 30 GPM	K Handknob	B 50 - 1500 psi	
H 60 GPM		C 150 - 6000 psi	
J 120 GPM		N 60 - 800 psi	
		Q 60 - 400 psi	

Adjustment Range Options:
 A, B, C, and W are standard set at 1000 psi.
 N Option is standard set at 400 psi.
 Q Option is standard set at 200 psi.
 * Minimum setting 75 psi on all ranges.
Customer may specify pressure setting.

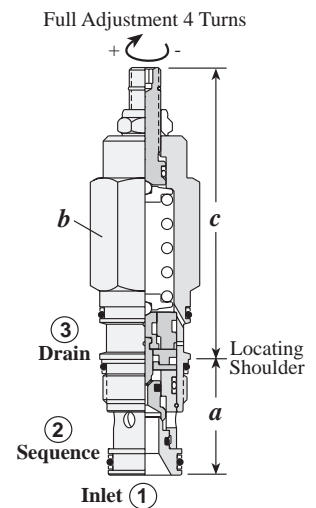
** See page 244 for information on Control Options

DIRECT ACTING



Capacity	Typical Cartridge Model Code	Cavity	Cartridge Dimensions				Installation Torque (lb. ft.)
			a	b	c		
15 GPM	SXCA – LAN	T - 11A	1.38	7/8"	3.09	3.15	30/35
30 GPM	SXEA – LAN	T - 2A	1.38	1 1/8"	3.47	3.53	45/50

OPTION ORDERING INFORMATION



SX * A - * * *

Nominal Capacity	Control**	Adjustment Range	Seal
C 15 GPM	L Standard Screw	A 500 - 3000 psi	N Buna-N
E 30 GPM	C Tamper Resistant	W 800 - 4500 psi	V Viton
		B 300 - 1500 psi	
		C 2000 - 6000 psi	
		D 200 - 800 psi	

Adjustment Range Options:
 A, B, and W are standard set at 1000 psi.
 C Option is standard set at 2000 psi.
 D Option is standard set at 400 psi.
Customer may specify pressure setting.

** See page 244 for information on Control Options

TECHNICAL TIPS / PERFORMANCE CURVES

Sequence Valves, Pilot Operated

Applications

Pilot operated sequence cartridges are similar to relief valves, but with an additional third port, to drain the spring chamber.

- May be used to regulate pressure more accurately than relief valve, as pressure is regulated on an absolute basis.
- To control the sequence of two or more cylinders or motors while maintaining the pressure on the actuator that moves first.

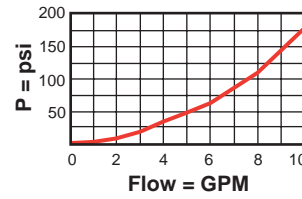
Design Concepts and Features

- Exceptionally flat pressure control over a wide range of settings.
- Low hysteresis and spool leakage:
2 to 5 in.³/min./1000 psi dependent on frame size.
- Wide selection of spring ranges to optimize adjustment sensitivity.
- Pilot flow will continue to increase when pilot section opens as pressure at port 1 increases above setting. *Maximum Pilot Flow May be 150 in.³/min.*

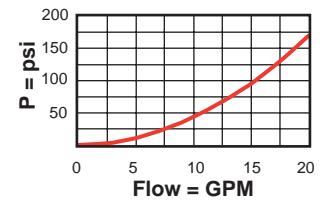
Performance Curves

Pressure Drop-full Sequence

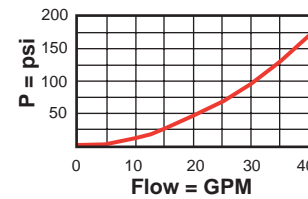
RSBC-L*N



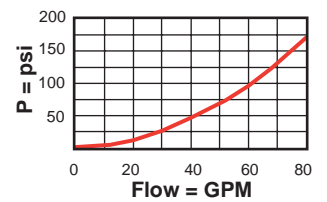
RSDC-L*N



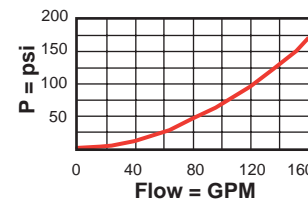
RSFC-L*N



RSHC-L*N



RSJC-L*N



Sequence Valves, Direct Acting

Applications

The direct acting sequence cartridges are interchangeable with the pilot operated models and may be used as an alternative to the pilot operated version.

Design Concepts and Features

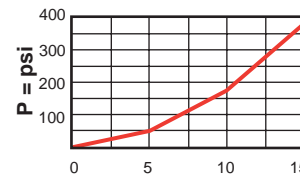
- Low hysteresis and low leakage on closing. Valve reseats with leakage less than 5 drops./min.
- Reseat at 85% of cracking pressure.
- Direct acting design provides fast opening and closing.
- Zero pilot flow (however, the spring chamber drain must not be plugged). See Note.

Note: For both types of sequence cartridge, any pressure at port 3 is directly additive to the valve setting.

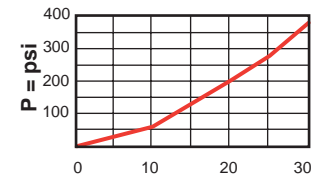
Performance Curves

Pressure Drop-full Sequence

SXCA-L*N



SXEA-L*N



General Application Requirements

- Operating Temperature Range: Buna-N seals -50° F to 200° F, Viton seals 0° F to 250° F.
- Viscosity Range: 60-3000 SUS.
- Fluid Contamination Level: ISO 4406 18/15 or better; Recommend $\beta_{10} \geq 75$ to achieve ISO 18/15 or better in most systems.
- Factory Pressure Setting for cartridge is established at a 4 GPM flow rate.