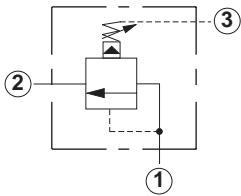


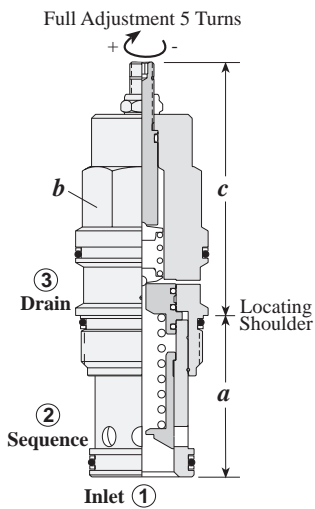
Sequence Valves

PILOT OPERATED



Capacity	Typical Cartridge Model Code	Cavity	Cartridge Dimensions					Installation Torque (Nm)
			a	b	c			
					L	C	K	
30 L/min.	RSBC – LAN	T - 163A	31	19,1	65	67	71	35/40
60 L/min.	RSDC – LAN	T - 11A	34,9	22,2	64	66	70	40/50
120 L/min.	RSFC – LAN	T - 2A	34,9	28,6	72	74	78	60/70
240 L/min.	RSHC – LAN	T - 17A	46	31,8	84	86	90	200/215
480 L/min.	RSJC – LAN	T - 19A	63,5	41,3	100	104	107	465/500

OPTION ORDERING INFORMATION



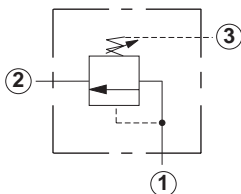
RS * C - * * *

Nominal Capacity	Control**	Adjustment Range	Seal
B 30 L/min.*	L Standard Screw	A 7 - 210 bar	N Buna-N
D 60 L/min.	C Tamper Resistant	W 10 - 315 bar	V Viton
F 120 L/min.	K Handknob	B 3,5 - 105 bar	
H 240 L/min.		C 10 - 420 bar	
J 480 L/min.		N 4 - 55 bar	
		Q 4 - 25 bar	

Adjustment Range Options:
 A, B, C, and W are standard set at 70 bar.
 N Option is standard set at 25 bar.
 Q Option is standard set at 14 bar.
 * Minimum setting 5 bar on all ranges.
Customer may specify pressure setting.

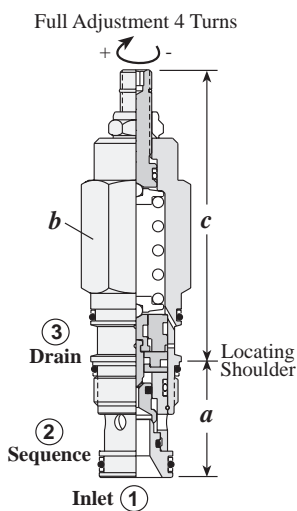
** See page 244 for information on Control Options

DIRECT ACTING



Capacity	Typical Cartridge Model Code	Cavity	Cartridge Dimensions				Installation Torque (Nm)
			a	b	c		
					L	C	
60 L/min.	SXCA – LAN	T - 11A	34,9	22,2	79	81	40/50
120 L/min.	SXEA – LAN	T - 2A	34,9	28,6	89	91	60/70

OPTION ORDERING INFORMATION



SX * A - * * *

Nominal Capacity	Control**	Adjustment Range	Seal
C 60 L/min.	L Standard Screw	A 35 - 210 bar	N Buna-N
E 120 L/min.	C Tamper Resistant	W 55 - 315 bar	V Viton
		B 20 - 105 bar	
		C 140 - 420 bar	
		D 14 - 55 bar	

Adjustment Range Options:
 A, B, and W are standard set at 70 bar.
 C Option is standard set at 140 bar.
 D Option is standard set at 25 bar.
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.

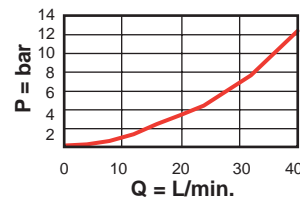
Design Concepts and Features

- Exceptionally flat pressure control over a wide range of settings.
- Low hysteresis and spool leakage: 50 to 115 cc/min./100 bar 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 1 L/min.*

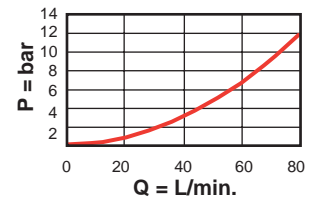
Performance Curves

Pressure Drop-full Sequence

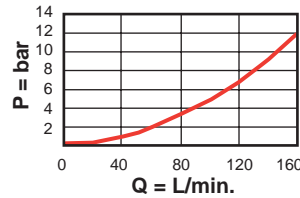
RSBC-L*N



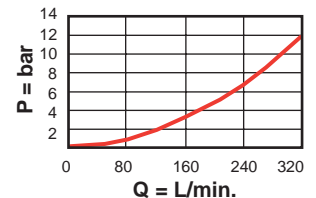
RSDC-L*N



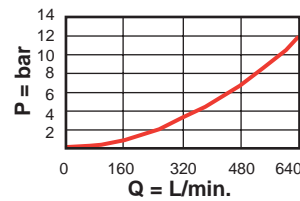
RSFC-L*N



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

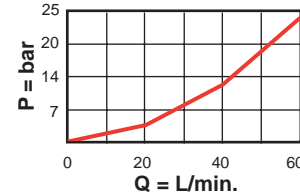
- Low hysteresis and low leakage on closing. Valve reseats with leakage less than 5 drops./min.
- Reseat at 85% of cracking pressure.
- Direct acting design provides fast opening and closing.
- Zero pilot flow (however, the spring chamber drain must not be plugged). See Note.

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

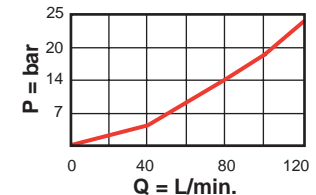
Performance Curves

Pressure Drop-full Sequence

SXCA-L*N



SXEA-L*N



General Application Requirements

- Operating Temperature Range: Buna-N seals -45° C to 90° C, Viton seals -15° C to 120° C.
- Viscosity Range: 10-600 centistokes.
- 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 15 L/min. flow rate.