



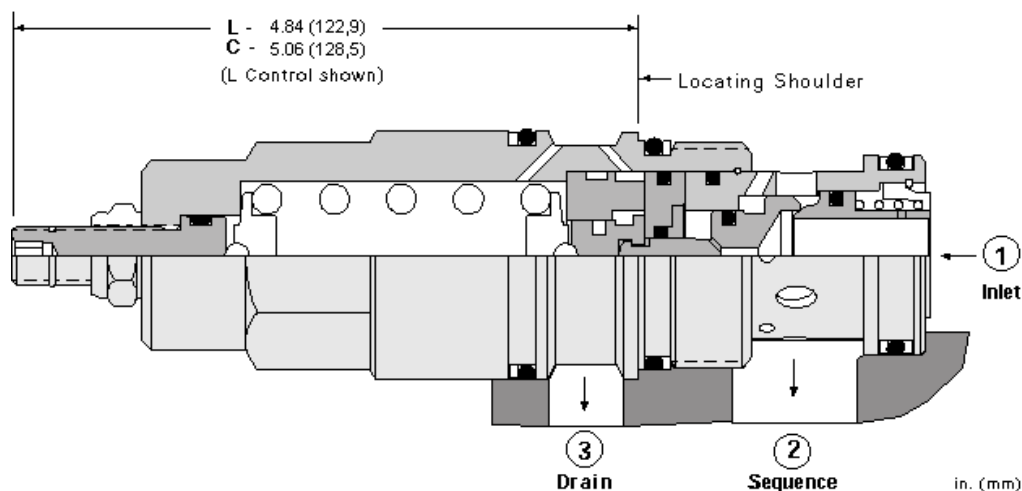
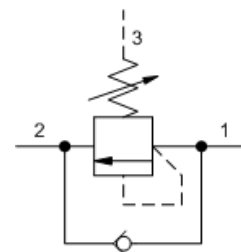
Direct-acting sequence valve with reverse flow check

Capacity:
120 gpm (480 L/min.)

Model:
SC1A

Product Description

Direct-acting sequence valves with reverse-flow check will supply a secondary circuit with flow once the pressure at the inlet (port 1) has exceeded the valve setting. Additionally, these valves incorporate an integral check valve to provide reverse flow from port 2 (sequence) to port 1 (inlet). The pressure setting of a sequence valve controls the pressure at port 1 relative to the pressure at the drain (port 3).



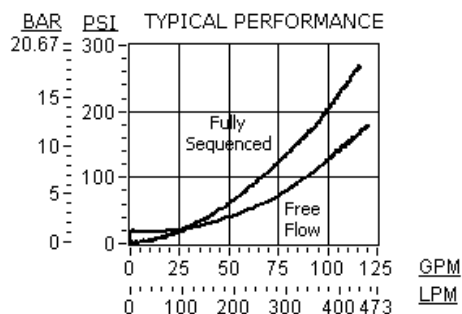
Technical Features

- Pressure at port 3 is directly additive to the valve setting at a 1:1 ratio and should not exceed 5000 psi (350 bar).
- Although this is a zero pilot flow valve, port 3 (drain) must be connected to maintain a pressure reference in the control chamber. If port 3 is blocked, reciprocating seal weepage will cause the valve to malfunction.
- All 3 port sequence cartridges are physically and functionally interchangeable (i.e. same flow path, same cavity for a given frame size).
- Suitable for use in load holding applications.
- 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-19A	
Capacity	120 gpm	480 L/min.
Check Cracking Pressure	25 psi	1,7 bar
Factory Pressure Settings Established at	2 in ³ /min.	30 cc/min.
Maximum Operating Pressure	5000 psi	350 bar
Maximum Valve Leakage at Reseat	10 drops/min.	0,7 cc/min.
Response Time - Typical	2 ms	
Series (from Cavity)	Series 4	

U.S. Patent #	4,834,135	
Adjustment - Number of Clockwise Turns to Increase Setting	5	
Valve Hex Size	1 5/8 in.	41,3 mm
Valve Installation Torque	350 - 375 lbf ft	475 - 500 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: 990-019-007	
Seal Kits - Cartridge	Viton: 990-019-006	
Model Weight	3.66 lb.	1.66 kg.



SCIA-LAN

Control	Adjustment Range	Seal Material
Preferred Options	Preferred Options	Preferred Options
L Standard Screw Adjustment Standard Options	A 500 - 3000 psi (35 - 210 bar), 1000 psi (70 bar) Standard Setting	N Buna-N Standard Options
C* Tamper Resistant - Factory Set	W 800 - 4500 psi (55 - 315 bar), 1000 psi (70 bar) Standard Setting Standard Options	V Viton
	B 300 - 1500 psi (20 - 105 bar), 1000 psi (70 bar) Standard Setting	
	C 2000 - 6000 psi (140 - 420 bar), 2000 psi (140 bar) Standard Setting	
	D 200 - 800 psi (14 - 55 bar), 400 psi (28 bar) Standard Setting	
	E 100 - 400 psi (7 - 28 bar), 200 psi (14 bar) Standard Setting	

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