



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).

CONFIGURATION

L	Control	Standard Screw Adjustment
E	Adjustment Range	100 - 400 psi (7 - 28 bar), 200 psi (14 bar) Standard Setting
N	Seal Material	Buna-N
(none)	Material/Coating	Standard Material/Coating

TECHNICAL DATA

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

Cavity	T-17A
Series	3
Capacity	60 gpm
Factory Pressure Settings Established at	2 in ³ /min.
Maximum Operating Pressure	5000 psi
Maximum Valve Leakage at Reseat	10 drops/min.
Check Cracking Pressure	25 psi
Response Time - Typical	2 ms
Adjustment - No. of CW Turns from Min. to Max. setting	5
Valve Hex Size	1 1/4 in.
Valve Installation Torque	150 - 160 lbf ft
Adjustment Screw Internal Hex Size	5/32 in.
Locknut Hex Size	9/16 in.
Locknut Torque	80 - 90 lbf in.
Seal kit - Cartridge	Buna: 990017007
Seal kit - Cartridge	Polyurethane: 990017002
Seal kit - Cartridge	Viton: 990017006
Model Weight	1.57 lb.

CONFIGURATION OPTIONS

Model Code Example: SCGALEN

CONTROL	(L) ADJUSTMENT RANGE	(E) SEAL MATERIAL	(N) MATERIAL/COATING
L Standard Screw Adjustment	E 100 - 400 psi (7 - 28 bar), 200 psi (14 bar) Standard Setting	N Buna-N	Standard Material/Coating
C Tamper Resistant - Factory Set	A 500 - 3000 psi (35 - 210 bar), 1000 psi (70 bar) Standard Setting	V Viton	/AP Stainless Steel, Passivated
	W 800 - 4500 psi (55 - 315 bar), 1000 psi (70 bar) Standard Setting		/LH Mild Steel, Zinc-Nickel
	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		

TECHNICAL FEATURES

- All 3 port sequence cartridges are physically and functionally interchangeable (i.e. same flow path, same cavity for a given frame size).
- 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.
- Pressure at port 3 is directly additive to the valve setting at a 1:1 ratio and should not exceed 5000 psi (350 bar).
- 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.

PERFORMANCE CURVES

