



CONFIGURATION

L	Control	Standard Screw Adjustment
A	Adjustment Range	500 - 3000 psi (35 - 210 bar), 1000 psi (70 bar) Standard Setting
N	Seal Material	Buna-N
(none) Material/Coating		

TECHNICAL DATA

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

Cavity	T-17A
Series	3
Capacity	60 gpm
Maximum Operating Pressure	5000 psi
Factory Pressure Settings Established at	2 in ³ /min.
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	1.58 lb.

CONFIGURATION OPTIONS

Model Code Example: SCGALAN

CONTROL	(L)	ADJUSTMENT RANGE	(A)	SEAL MATERIAL	(N)	MATERIAL/COATING
L Standard Screw Adjustment		A 500 - 3000 psi (35 - 210 bar), 1000 psi (70 bar) Standard Setting		N Buna-N		Standard Material/Coating
C Tamper Resistant - Factory Set		W 800 - 4500 psi (55 - 315 bar), 1000 psi (70 bar) Standard Setting		V Viton		/AP Stainless Steel, Passivated
		B 300 - 1500 psi (20 - 105 bar), 1000 psi (70 bar) Standard Setting				/LH Mild Steel, Zinc-Nickel
		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				

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

