



CONFIGURATION

L	Control	Tuning Adjustment
C	Flow Rate	.106 gpm (.4 L/min.)
N	Seal Material	Buna-N
(none) Material/Coating		

Fixed-orifice, pressure-compensated flow controls with reverse-flow check provide precise flow regulation for meter-in or meter-out applications where there may be wide pressure fluctuations. An integral high-capacity check valve provides unrestricted flow from port 2 to port 1. The flow range is specified by the user and is set at the factory.

TECHNICAL DATA

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

Cavity	T-162A
Series	0
Capacity	3 gpm
Maximum Operating Pressure	5000 psi
Valve Hex Size	3/4 in.
Valve Installation Torque	20 - 25 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: 990162007
Seal kit - Cartridge	Polyurethane: 990162002
Seal kit - Cartridge	Viton: 990162006
Model Weight	0.22 lb.

CONFIGURATION OPTIONS

Model Code Example: FCBCArray

CONTROL	(L) FLOW RATE	(C) SEAL MATERIAL	(N) MATERIAL/COATING
L Tuning Adjustment	C .106 gpm (.4 L/min.)	N Buna-N	Standard Material/Coating
C Tamper Resistant - Factory Set	D .132 gpm (.49 L/min.)	V Viton	/AP Stainless Steel, Passivated
K Handknob	F .198 gpm (.75 L/min.)		
X Not Adjustable	G .291 gpm (1.10 L/min.)		
	H .41 gpm (1.55 L/min.)		
	J .528 gpm (2.0 L/min.)		
	K .661 gpm (2.50 L/min.)		
	L .819 gpm (3.10 L/min.)		
	M 1.057 gpm (4.00 L/min.)		
	N 1.321 gpm (5.00 L/min.)		
	P 1.585 gpm (6.0 L/min.)		
	R 2.008 gpm (7.6 L/min.)		
	S 2.378 gpm (9.0 L/min.)		
	T 2.642 gpm (10.0 L/min.)		
	V 3.012 gpm (11.40 L/min.)		

TECHNICAL FEATURES

- Factory set flow valve ratings are within +/- 15% of the nominal range/setting.
- The sharp-edged orifice design minimizes flow variations due to viscosity changes.
- The tuneable control option provides +/- 20% variation from the nominal factory pre-set flow. Turn the adjustment clockwise to increase and counterclockwise to decrease.
- All 2-port flow control cartridges are physically and functionally interchangeable (i.e. same flow path, same cavity for a given frame size). However, cartridge extension dimensions from the mounting surface may vary.
- 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

