



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.
Model Weight	0.15 lb.
Seal kit - Cartridge	Buna: 990-162-007
Seal kit - Cartridge	Polyurethane: 990-162-002
Seal kit - Cartridge	Viton: 990-162-006

OPTION SELECTION EXAMPLE: FCBCXCXN

CONTROL	(X)	FLOW RATE	(C)	SEAL MATERIAL	(N)	MATERIAL/COATING
X Not Adjustable		C .106 gpm (.4 L/min.)		N Buna-N		Standard Material/Coating
K Handknob		D .132 gpm (.49 L/min.)		V Viton		IAP Stainless Steel, Passivated
L Tuning Adjustment		F .198 gpm (.75 L/min.)				
		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

- Customer must specify a desired flow range. Factory set flow valve ratings are within +/- 15% of the nominal range/setting.
- 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.
- The sharp-edged orifice design minimizes flow variations due to viscosity changes.
- 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.
- Factory set flow valve ratings are within +/- 15% of the nominal range/setting.

PERFORMANCE CURVES

