



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 setting is specified by the user and is set at the factory.

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

Cavity	T-18A
Series	4
Capacity	50 gpm
Maximum Operating Pressure	5000 psi
Valve Hex Size	1 5/8 in.
Valve Installation Torque	350 - 375 lbf ft
Adjustment Screw Internal Hex Size	5/32 in.
Locknut Hex Size	9/16 in.
Locknut Torque	80 - 90 lbf in.
Model Weight	1.00 lb
Seal kit - Cartridge	Buna: 990-018-007
Seal kit - Cartridge	Polyurethane: 990-018-002
Seal kit - Cartridge	Viton: 990-018-006

OPTION SELECTION EXAMPLE: FCFBXANV

CONTROL	(X) SETTING RANGE	(A) SEAL MATERIAL	(N) MATERIAL/COATING
X Not Adjustable	A Replaceable Orifice .2 - 50 gpm (1 - 200 L/min.)	N Buna-N	Standard Material/Coating
C Tamper Resistant - Factory Set	B Permanent Orifice .2 - 50 gpm (1 - 200 L/min.)	V Viton	IAP Stainless Steel, Passivated
L Tuning Adjustment			

TECHNICAL FEATURES

- Customer must specify a flow rating. Factory set flow ratings are within +/- 10% of the requested setting.
- The tuneable control option provides +/- 20% variation from the nominal factory pre-set flow. Turn the adjustment clockwise to increase.
- 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.

PERFORMANCE CURVES

