



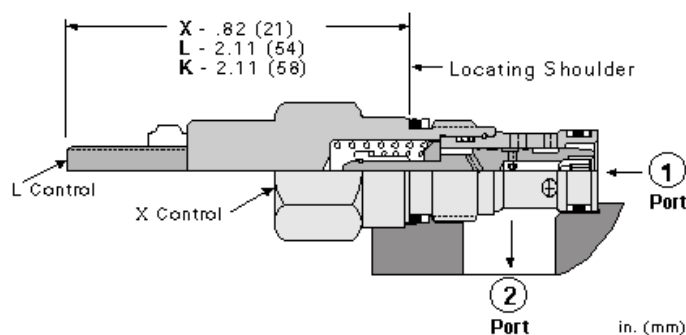
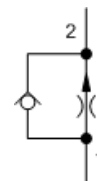
Fixed orifice pressure compensated flow control valve with reverse flow check

Capacity:
3 gpm (11
L/min.)

Model:
FCBB

Product Description

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.

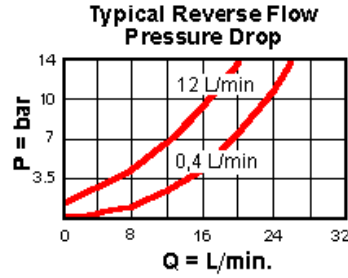
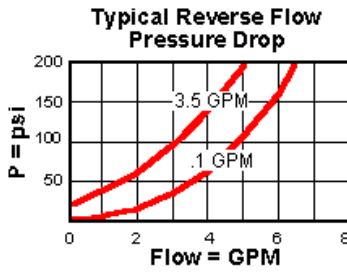
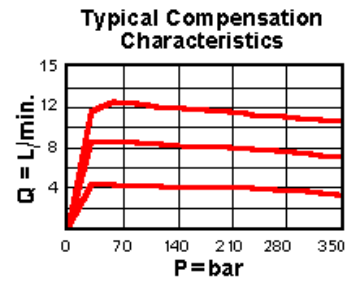
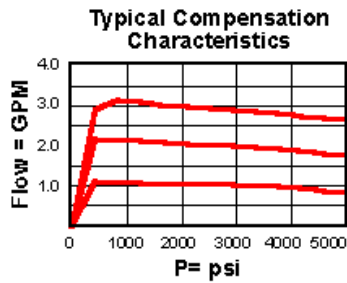


Technical Features

- Customer must specify a flow rating. Factory set flow ratings are within +/- 15% 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.

Technical Data

	U.S. Units	Metric Units
Cavity	T-162A	
Capacity	3 gpm	11 L/min.
Maximum Operating Pressure	5000 psi	350 bar
Series (from Cavity)	Series 0	
Valve Hex Size	3/4 in.	19,1 mm
Valve Installation Torque	20 - 25 lbf ft	27 - 33 Nm
Adjustment Screw Internal Hex Size	5/32 in.	4 mm
Adjustment Locknut/Cap Hex Size	9/16 in.	15 mm
Adjustment Nut Torque	80 - 90 lbf in.	9 - 10 Nm
Seal Kits - Cartridge	Buna: 990-162-007	
Seal Kits - Cartridge	Viton: 990-162-006	
Model Weight	0.15 lb.	0.07 kg.



FCBB-XAN

Control

Preferred Options

L Tuning Adjustment
Standard Options

K Handknob
X Not Adjustable

Additional Options

Control

C* Tamper Resistant - Factory Set

Setting Range

Preferred Options

A* Replaceable Orifice .1 - 3
gpm (0.4 - 11 L/min.)

Seal Material

Preferred Options

N Buna-N
Standard Options

V Viton

Setting Range

Seal Material

* Special Setting required, specify at time of order