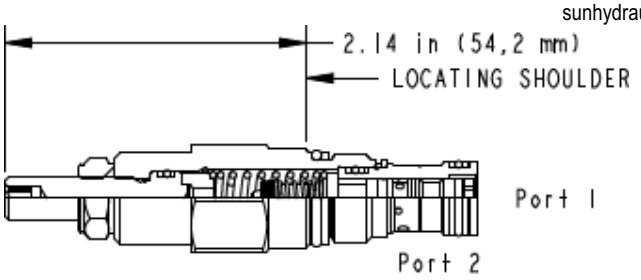
MODEL
FXBC

Fixed-orifice, pressure compensated flow control valve
CAPACITY: 3 gpm / CAVITY: T-162A

sunhydraulics.com/model/FXBC





CONFIGURATION

L	Control	Tuning Adjustment
C	Flow Rate	.106 gpm (.4 L/min.)
N	Seal Material	Buna-N

Fixed-orifice, pressure-compensated flow controls provide precise flow regulation for meter-in or meter-out applications where there may be wide pressure fluctuations. 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-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	0.22 lb.

CONFIGURATION OPTIONS

Model Code Example: FXBCLCN

CONTROL (L)

- **L** Tuning Adjustment
- **C** Tamper Resistant - Factory Set
- **K** Handknob
- **X** Not Adjustable

FLOW RATE (C)

- **C** .106 gpm (.4 L/min.)
- **D** .132 gpm (.49 L/min.)
- **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.)

SEAL MATERIAL (N)

- **N** Buna-N
- **V** Viton

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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

