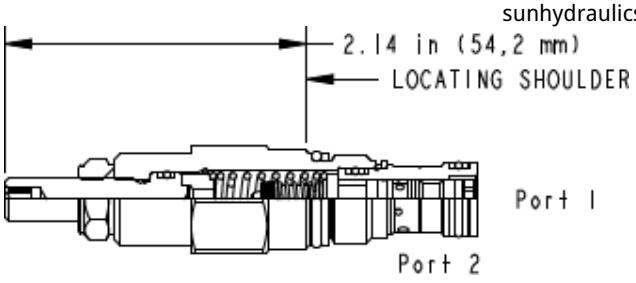
MODEL
FXBC

Fixed-orifice, pressure compensated flow control valve
CAPACITY: 11 L/min. / CAVITY: T-162A

sunhydraulics.com/model/FXBC





CONFIGURATION

L	Control	Tuning Adjustment
J	Flow Rate	.528 gpm (2.0 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	11 L/min.
Maximum Operating Pressure	350 bar
Valve Hex Size	19,1 mm
Valve Installation Torque	27 - 33 Nm
Adjustment Screw Internal Hex Size	4 mm
Locknut Hex Size	15 mm
Locknut Torque	9 - 10 Nm
Model Weight	0.10 kg.

CONFIGURATION OPTIONS

Model Code Example: FXBCArray

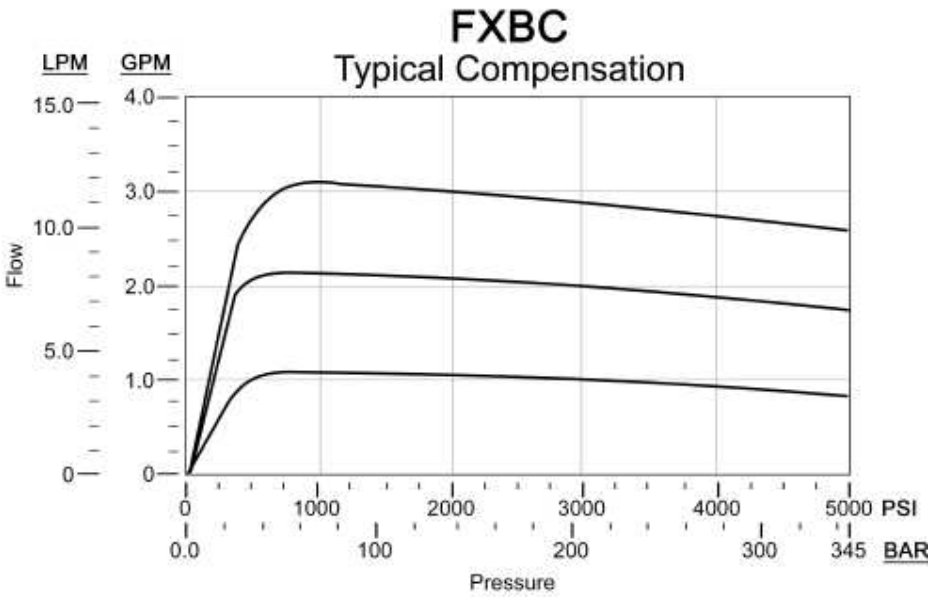
CONTROL (L)	FLOW RATE (J)	SEAL MATERIAL (N)
L Tuning Adjustment	**J** .528 gpm (2.0 L/min.)	**N** Buna-N
C Tamper Resistant - Factory Set	**C** .106 gpm (.4 L/min.)	**V** Viton
K Handknob	**D** .132 gpm (.49 L/min.)	
X Not Adjustable	**F** .198 gpm (.75 L/min.)	
	G .291 gpm (1.10 L/min.)	
	H .41 gpm (1.55 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.)	

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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



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