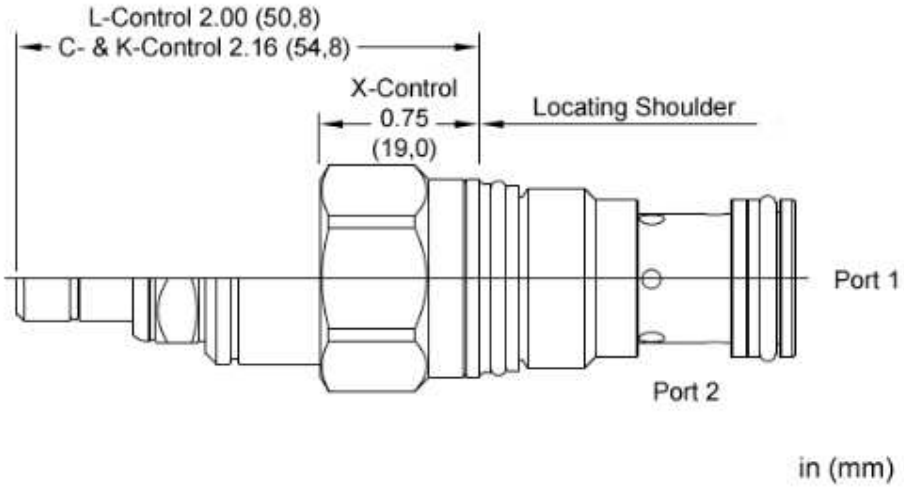
MODEL
FXCC

Fixed-orifice, pressure compensated flow control valve
SERIES 1 / CAPACITY: 6 gpm / CAVITY: T-13A

sunhydraulics.com/model/FXCC



CONFIGURATION

X	Control	Not Adjustable
A	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.

TECHNICAL DATA

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

Cavity	T-13A
Series	1
Capacity	6 gpm
Maximum Operating Pressure	5000 psi
Valve Hex Size	7/8 in.
Valve Installation Torque	30 - 35 lbf ft
Adjustment Screw Internal Hex Size	5/32 in.
Locknut Hex Size	9/16 in.
Locknut Torque	80 - 90 lbf in.
Model Weight	0.23 lb.

CONFIGURATION OPTIONS

Model Code Example: FXCCXAN

CONTROL (X)

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

FLOW RATE (A)

- **A** .106 gpm (.4 L/min.)
- **B** .145 gpm (.55 L/min.)
- **C** .198 gpm (.75 L/min.)
- **D** .291 gpm (1.10 L/min.)
- **F** .409 gpm (1.55 L/min.)
- **G** .528 gpm (2.0 L/min.)
- **H** .66 gpm (2.5 L/min.)
- **J** .819 gpm (3.10 L/min.)
- **K** 1 gpm (4 L/min.)
- **L** 1.28 gpm (4.85 L/min.)
- **M** 1.58 gpm (6.0 L/min.)
- **N** 1.98 gpm (7.50 L/min.)
- **P** 2.44 gpm (9.25 L/min.)
- **R** 3.03 gpm (11.5 L/min.)
- **S** 3.76 gpm (14.2 L/min.)
- **T** 4.62 gpm (17.5 L/min.)
- **V** 5.81 gpm (22.0 L/min.)

SEAL MATERIAL (N)

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

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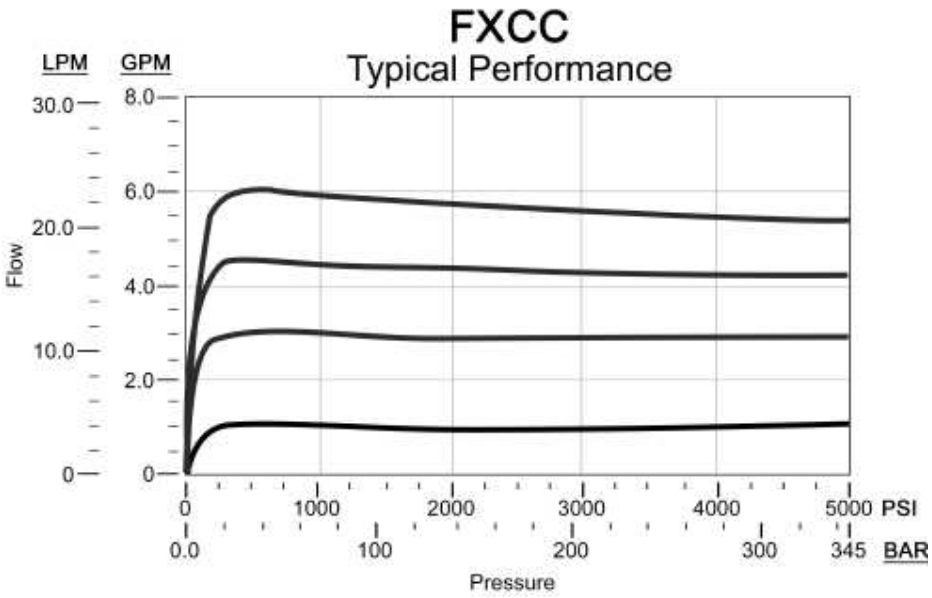
TECHNICAL FEATURES

- 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.
- Customer must select a nominal flow setting range from the available options. Factory flow settings are within +/- 10% of the nominal flow setting for the “L” and “K” controls and within +/- 15% for the “X” control.
- The tunable control options, “L” control and “K” control, provide +/- 25% variation from the nominal factory pre-set flow. Turn the adjustment clockwise to increase flow and counterclockwise to decrease it.
- 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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