



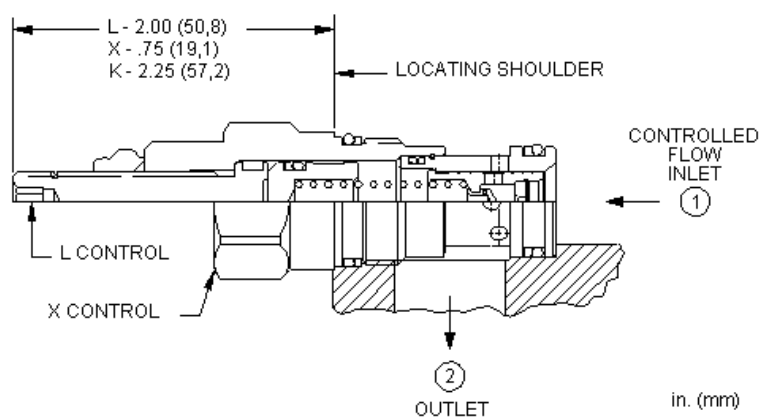
Fixed orifice, pressure compensated flow control valve

Capacity:
6 gpm (23 L/min.)

Model:
FXCA

Product Description

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.

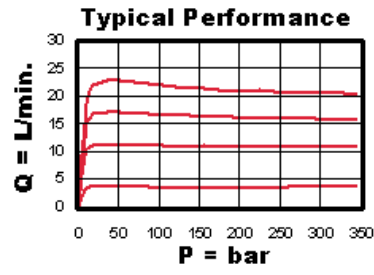
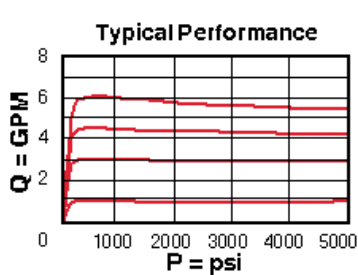


Technical Features

- Customer must specify a flow rating. Factory set flow ratings are within +/- 10% of the requested setting.
- 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.
- The tuneable control option provides +/- 25% variation from the nominal factory pre-set flow. Turn the adjustment clockwise to increase.
- Corrosion resistant cartridge valves are intended for use in corrosive environments and are identified by the model code suffix /AP (see Option Selection below). External parts are made from stainless steel with titanium or brass components, where applicable. Internal parts are made from carbon steel leaded alloy, the same as standard valves. For further details, please see the Materials of Construction page.
- 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-13A	
Capacity	6 gpm	23 L/min.
Maximum Operating Pressure	5000 psi	350 bar
Series (from Cavity)	Series 1	
Valve Hex Size	7/8 in.	22,2 mm
Valve Installation Torque	30 - 35 lbf ft	40 - 50 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: 990-010-007	
Seal Kits - Cartridge	Viton: 990-010-006	
Model Weight	0.23 lb.	0.10 kg.



FXCA-XAN

Control

Preferred Options

L Tuning Adjustment
Standard Options

K Handknob
X Not Adjustable

Setting Range

Preferred Options

A* Replaceable Orifice .1 - 6 gpm
(0,4 - 23 L/min.)

Seal Material

Preferred Options

N Buna-N
Standard Options

V Viton

Material/Coating
Modifier

Preferred Options

No modifier (standard material
with no special coating)

Special Options

/ AP Stainless Steel, Passivated

Control:C
Control:L
Control:X

*Our stainless product line is
growing! If you are interested in
a stainless option for this model
which is not shown please
contact Sun.*

Additional Options

Control

C Tamper Resistant - Factory Set
M Capped Screw Adjustment with Lockwire
Holes
Q Capped and Lockwired

Setting Range

B* Permanent Orifice .1 - 6 gpm (0,4 - 23
L/min.)

Seal Material

When the modifier is /AP, the control must be C, L or X

* Special Setting required, specify at time of order