



Fixed orifice, flow fuse valve

Capacity:
6 gpm (23 L/min.)

Functional Group:

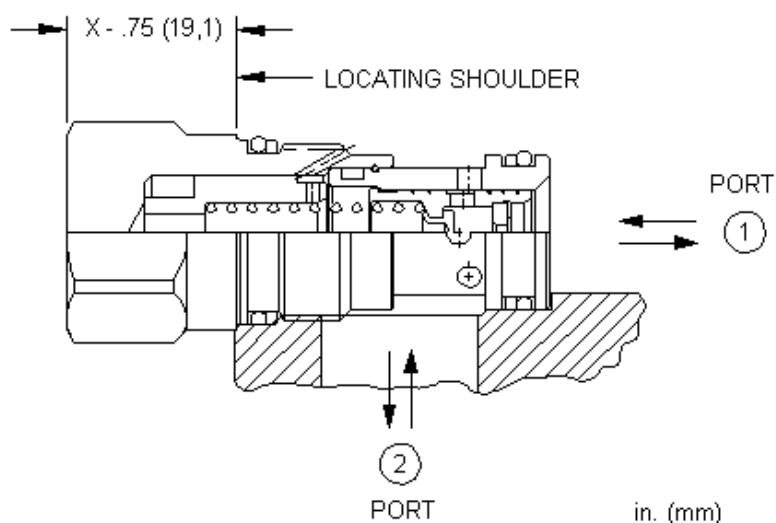
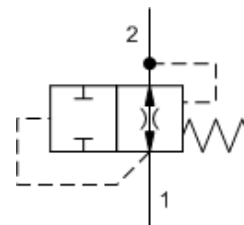
Products : Cartridges : Circuit Saver : 2-Port : Flow Fuse Valve

Model:

FQCA

Product Description

Flow fuse cartridges are used to maintain the position of a hydraulic actuator in the event of a hose or line break. The valve allows flow to and from the actuator but closes instantly if flow from the actuator exceeds the setting of the valve. NOTE: Because the valve responds so rapidly, it is sensitive to any transient flow above the valve setting.

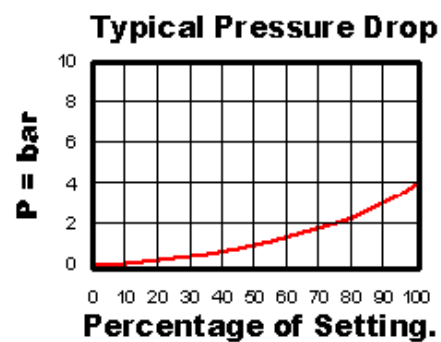
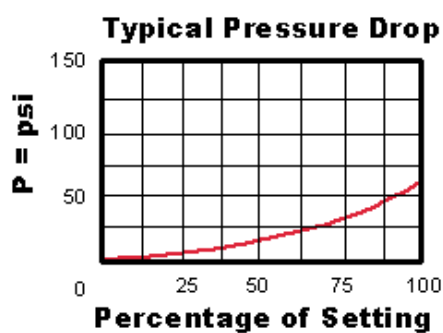


Technical Features

- Customer must specify a flow rating. Factory set flow ratings are within +/- 10% of the requested setting.
- Valve closes when flow from port 1 to port 2 exceeds the setting of the valve. Valve resets when pressures at port 1 and port 2 are equal.
- Flow setting should be at least 25% above maximum normal system flow. Customer must specify flow when ordering valve.
- These are spool type valves, therefore there is leakage. Some actuator drift may occur.
- 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
Maximum Valve Leakage at 110 SUS (24 cSt)	2 in ³ /min.@1000 psi	30 cc/min.@70 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
Seal Kits - Cartridge	Buna: 990-010-007	
Seal Kits - Cartridge	Viton: 990-010-006	
Model Weight	0.23 lb.	0.10 kg.



FQCA-XAN

Control	Setting Range	Seal Material	Material/Coating Modifier
Standard Options	Standard Options	Standard Options	Preferred Options
X Not Adjustable	A* Replaceable Orifice .5 - 6 gpm (2 - 23 L/min.)	N Buna-N V Viton	No modifier (standard material with no special coating) Special Options /AP Stainless Steel, Passivated Control: X <i>Our corrosion resistant product line is growing! If you are interested in a corrosion resistant option for this model, please contact Sun.</i>

Additional Options

Control

Setting Range

B* Permanent Orifice .5 - 6 gpm (2 - 23 L/min.)

When the modifier is /AP, the control must be X

* Special Setting required, specify at time of order