

Fixed orifice, flow fuse valve

Capacity:
50 gpm (200 L/min.)

Functional Group:

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

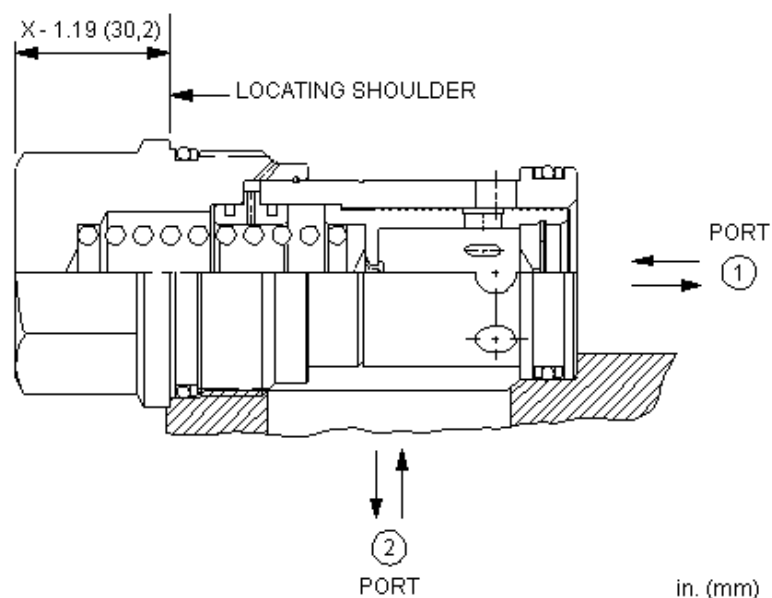
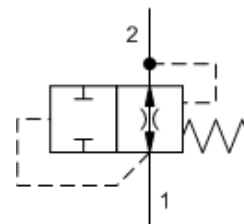
Model:

FQIA

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.

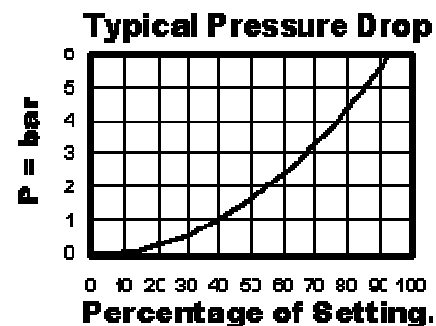
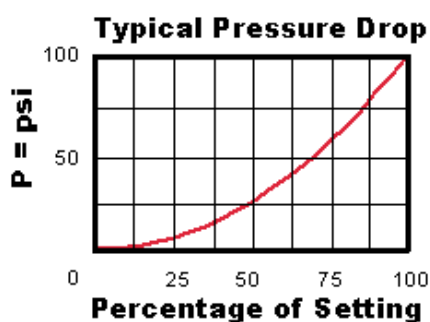


Technical Features

- 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-18A	
Capacity	50 gpm	200 L/min.
Maximum Operating Pressure	5000 psi	350 bar
Maximum Valve Leakage at 110 SUS (24 cSt)	5 in ³ /min.@1000 psi	80 cc/min.@70 bar
Series (from Cavity)	Series 4	
Valve Hex Size	1 5/8 in.	41,3 mm
Valve Installation Torque	350 - 375 lbf ft	475 - 500 Nm
Seal Kits - Cartridge	Buna: 990-018-007	
Seal Kits - Cartridge	Viton: 990-018-006	
Model Weight	2.05 lb.	0.93 kg.



FQIA-XAN

Control	Setting Range	Seal Material	Material/Coating Modifier
Standard Options	Standard Options	Standard Options	Preferred Options
X Not Adjustable	A* Replaceable Orifice 1 - 50 gpm (4 - 200 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	Seal Material
	B* Permanent Orifice 1 - 50 gpm (4 - 200 L/min.)	

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

* Special Setting required, specify at time of order.