



Fixed orifice, flow fuse valve

Capacity:
25 gpm (95 L/min.)

Functional Group:

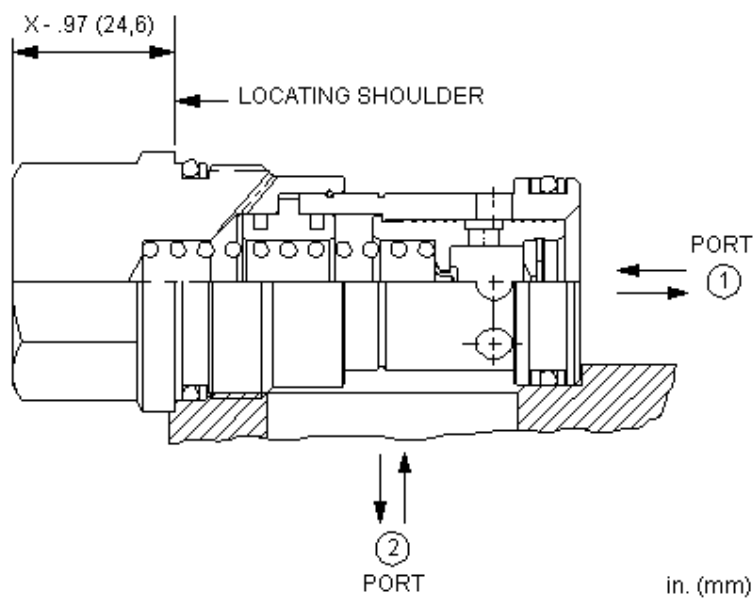
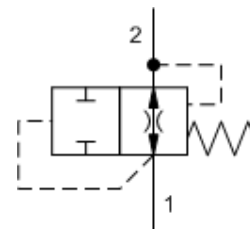
Products : Cartridges : Circuit Saver : 2-Port : Flow Fuse Valve

Model:

FQGA

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.

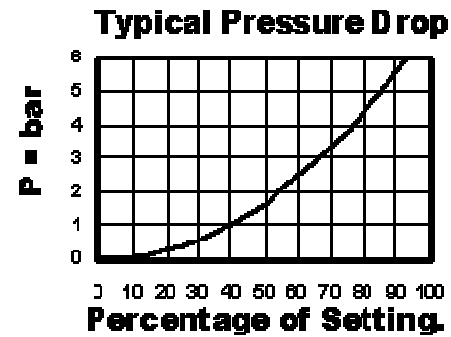
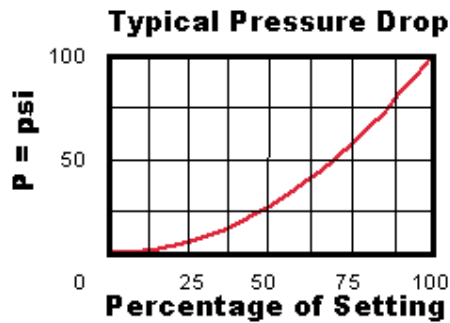


Technical Features

- 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-16A	
Capacity	25 gpm	95 L/min.
Maximum Operating Pressure	5000 psi	350 bar
Maximum Valve Leakage at 110 SUS (24 cSt)	4 in ³ /min.@1000 psi	65 cc/min.@70 bar
Series (from Cavity)	Series 3	
Valve Hex Size	1 1/4 in.	31,8 mm
Valve Installation Torque	150 - 160 lbf ft	200 - 215 Nm
Seal Kits - Cartridge	Buna: 990-016-007	
Seal Kits - Cartridge	Viton: 990-016-006	
Model Weight	1.02 lb.	0.46 kg.



FQGA-XAN

Control

Standard Options

X Not Adjustable

Setting Range

Standard Options

A* Replaceable Orifice 1 - 25 gpm (4 - 95 L/min.)

Seal Material

Standard Options

N Buna-N

V Viton

Additional Options

Control

Setting Range

B* Permanent Orifice 1 - 25 gpm (4 - 95 L/min.)

* Special Setting required, specify at time of order