

Fixed orifice, flow fuse valve

Capacity:
15 gpm (60 L/min.)

Functional Group:

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

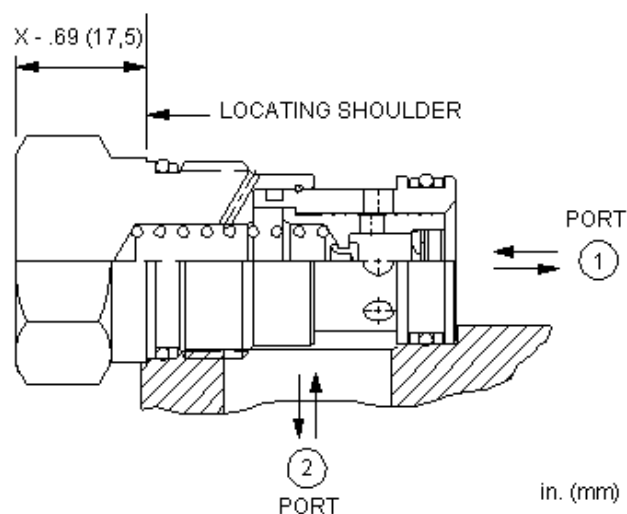
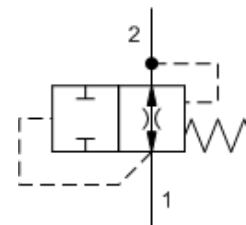
Model:

FQEA

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.

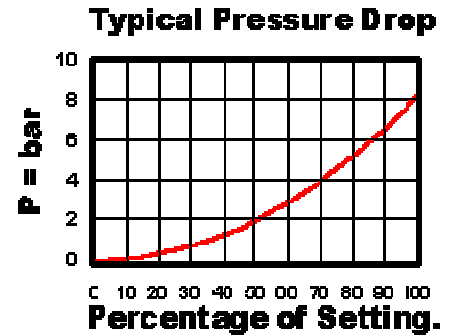
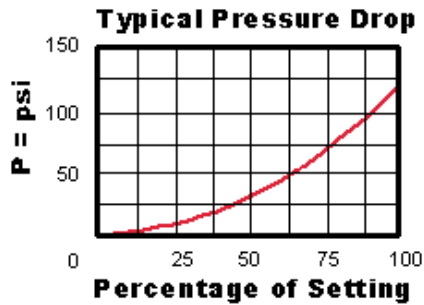


Technical Features

- 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.
- 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-5A
Capacity	15 gpm	60 L/min.
Maximum Operating Pressure	5000 psi	350 bar
Maximum Valve Leakage at 110 SUS (24 cSt)	3 in ³ /min.@1000 psi	50 cc/min.@70 bar
Series (from Cavity)		Series 2
Valve Hex Size	1 1/8 in.	28,6 mm
Valve Installation Torque	45 - 50 lbf ft	60 - 70 Nm
Seal Kits - Cartridge		Buna: 990-203-007
Seal Kits - Cartridge		Viton: 990-203-006
Model Weight	0.42 lb.	0.19 kg.



FQEA-XAN

Control

Standard Options

X Not Adjustable

Setting Range

Standard Options

A* Replaceable Orifice 1 - 15 gpm (4 - 60 L/min.)

Seal Material

Standard Options

N Buna-N
V Viton

Material/Coating Modifier

Preferred Options

No modifier (standard material with no special coating)

Special Options

/AP Stainless Steel, Passivated
Control: X

Our corrosion resistant product line is growing! If you are interested in a corrosion resistant option for this model, please contact Sun.

Additional Options

Control

Setting Range

Seal Material

B* Permanent Orifice 1 - 15 gpm (4 - 60 L/min.)

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

* Special Setting required, specify at time of order