

FS-400 Series – General Purpose, 90° Flow Path

Flow Rate Settings: Fixed Version: 0.75 GPM to 10.0 GPM

Adjustable Version: 0.75 GPM to 14.0 GPM

Port Size: 3/4"

Primary Construction Material: Bronze

Setting Type: Fixed or Adjustable

Provides accurate flow detection in water and oil with 1% repeatability. Flow settings on the adjustable version can be easily changed without disassembly. A shuttle bypass vane inside the housing is controlled externally using an ordinary flat-blade screwdriver. These switches are ruggedly constructed of non-corrosive materials and resist shock and vibration. Suitable for triggering alarms on interlocking shutdown circuitry when flow rate is improper to protect bearings, gears and cooling systems.

Specification

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Wetted Materials Housing	Bronze	
Shuttle	Delrin [®] 316 Stainless Steel	
Spring		
O-Ring	Viton®	
Other Wetted Parts	Ceramic	
Pressure Rating, Maximum Operating	400 PSI @ 100°F (+37.8°C)	
Proof	800 PSI @ 100°F (+37.8°C)	
Operating Temperature	-20°F to +180°F (-29°C to +82.2°C)	
Repeatability	1% Maximum Deviation	
Set Point Accuracy	±10%	
Set Point Differential	15% Maximum	
Switch*	SPDT, 20 VA	
Inlet/Outlet Ports	3/4″ NPT	
Electrical Termination	No. 18 AWG, 24"L., Polymeric Lead Wires	

^{*}See "Electrical Data" on Page D-4 for more information.

How To Order – Standard Models

Specify Part Number based on flow settings for the FS-400 Series, based on flow setting range for the FS-400 Adjustable version.

FS-400 Series

NPT	Flow Setting GPM	Part Numbers
	0.75	26440 🗲
	1.5	26441 🗲
	2.0	26442
3/4"	2.5	26443 🗲
	5.0	26444
	7.5	26445
	10.0	26446

FS-400 Adjustable

NPT	Flow Setting GPM	Part Numbers
3/4″	0.75-4.0	26600 🗲
	2.0-8.0	26601 🗲
	7.0-14.0	26602 🗲

Notes:



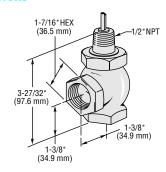
FS-400 Series

U.L. Recognized — File No. E31926 CSA Listed — LR30200 and LR22666 FM Approved — File No. 0A8A3.AE and 1H3A2.AX U.L. Approved — File No. 183854

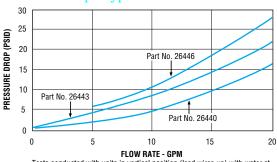
FS-400 Adjustable

CSA Listed — File No. LR22666 FM Approved — File No. 0A8A3.AE

Dimensions



Pressure Drop - Typical



Tests conducted with units in vertical position (lead wires up) with water at $+70^{\circ}\text{F}\ (21^{\circ}\text{C}).$

FS-400 switches are U.L. Approved for Class I, Division 2, Groups A, B, C, D hazardous areas.

Available with FM-approved, explosion-proof junction box for Class I, Division 1, Group D hazardous locations. Units must be assembled completely at GEMS.

Notes.
1. Flow settings for Fixed Version are calibrated using water at +70°F on increasing flow, with units in a vertical position (lead wires up). Temperature changes will slightly affect the flow settings listed.

^{2.} Adjustable units that are set to customer specifications are subject to GEMS test stand accuracy.

^{3.} Use of 150 micron filtration is recommended.

^{4.} Minimum 5 PSI line pressure required.