

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

Wetted Materials	_	
Housing	Bronze	
Shuttle	Delrin®	
Spring	316 Stainless Steel	
0-Ring	Viton®	
Other Wetted Parts	Ceramic	
Pressure Rating, Maximum Operating	400 PSI (27.6 bar) @ 100°F (+37.8°C)	
Proof	800 PSI (55.2 bar) @ 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 X-5 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

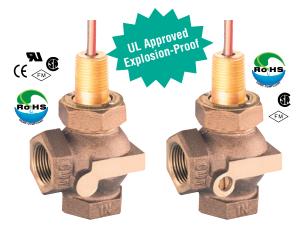
NPT	Flow Setting GPM	Part Numbers
3/4″	0.75	26440 🗲
	1.5	26441
	2.0	26442
	2.5	26443
	5.0	26444
	7.5	26445
	10.0	26446

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:

- 10. 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.



FS-400 Series

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

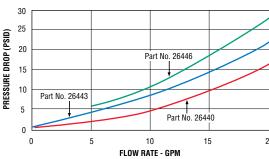
FS-400 Adjustable

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

Dimensions



Pressure Drop - Typical



FLOW HAIE - GPWTests conducted with units in vertical position (lead wires up) with water at +70°F (21°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. U.L. Approved — File No. E183854