

FS-B Series – Bidirectional Flow Switch

Direction Indication Flow Switch

Flow Rate Settings: Normally Open at No Flow; Closes at 0.35 GPM (1.32 LPM) Max
Port Size: 3/8" Female NPT
Primary Construction Material: Brass
Setting Type: Fixed

This inline flow switch is a flow/no flow device with the ability to detect flow in either direction. It is key for applications where detection of flow direction is desirable or where undesired reverse flow is possible and must be prevented to avoid system damage. The FS-B is capable of rigorous application demands, high temperatures, media compatibility, and low pressure drop.

Typical Applications

Any closed loop application where direction of flow needs to be indicated.

- Automotive Service Carts
- Bidirectional Hydraulics

Specifications

Wetted Materials	
Housing	Brass and 316 Stainless Steel
Piston	Brass, Epoxy
Spring	316 Stainless Steel
O-Ring	Buna N
Port Adapters	316 Stainless Steel
Port Size	3/8" NPT
Operating Pressure, Maximum	1000 PSI (69 bar)
Operating Temperature	-20°F to +221°F (-28°C to +105°C)
Set Point Differential	20% Maximum
Switch*	SPST, 10VA**, N.O. at no Flow
Electrical Termination	4-conductor, 22 AWG, PVC Cable

*See "Electrical Data" on Page X-5 for more information.

**Not recommended for AC Service

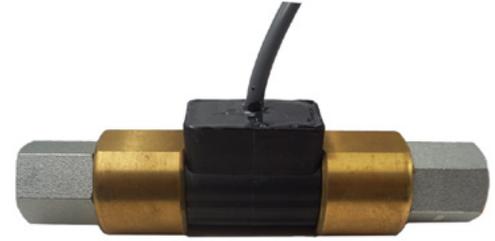
How To Order – Standard Models

Specify Part Number based on flow setting.

Flow Settings – GPM ¹	Flow Settings – LPM ¹	Part Number
0.35	1.32	254300

Note:

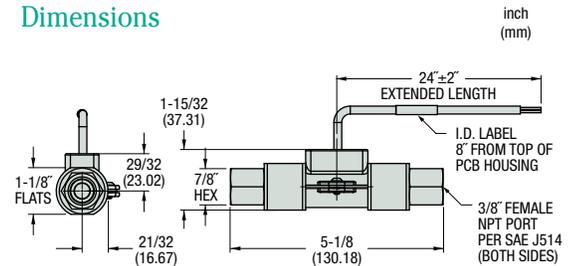
1. Flow settings are calibrated using water @ 70°F on increasing flow with units in horizontal position.
2. If a different actuation point is needed, please consult with your Gems sales rep or contact our factory.



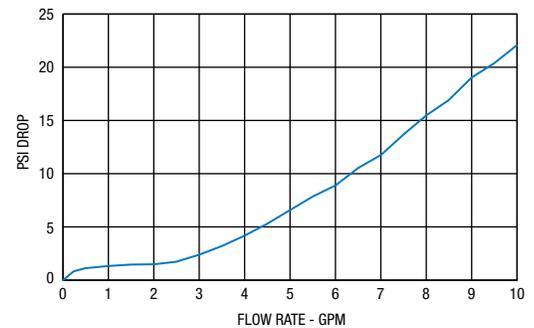
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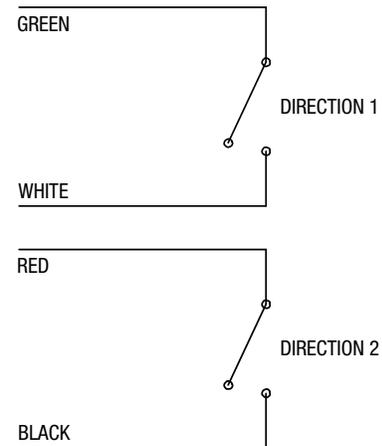
Dimensions



Pressure Drop – Typical



Wiring Diagram



FLOW SWITCHES