

FS-927 Series – Small Design for Tight Instrumentation Packages

Flow Rate Settings: 0.10 GPM to 1.50 GPM
Port Size: 1/4" NPT
Primary Construction Material: Brass, Stainless Steel
Setting Type: Fixed

Measuring only 1" x 2-3/4", these compact switches are ideal for use where space is at a premium. Designed for use with water and oil, these switches are suitable for high volume OEM applications. They are ideal for coolant or lubricant flow monitoring in portable equipment and many other applications with space constraints.

Specifications

| | |
|------------------------------------|------------------------------------|
| Wetted Materials | |
| Housing and Piston | Brass, Stainless Steel |
| Spring | 316 Stainless Steel |
| Other Wetted Parts | Stainless Steel |
| Operating Pressure, Maximum | 1000 PSIG |
| Operating Temperature | -20°F to +200°F (-29°C to +93.3°C) |
| Set Point Accuracy | ±15% |
| Set Point Differential | 20% Maximum |
| Switch* | SPST, 20 VA |
| Inlet/Outlet Ports | 1/4" NPT |
| Electrical Termination | No. 18 AWG, 24" L., PVC Lead Wires |

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

How To Order – Standard Models

Specify Part Number based on flow setting and switch operation.

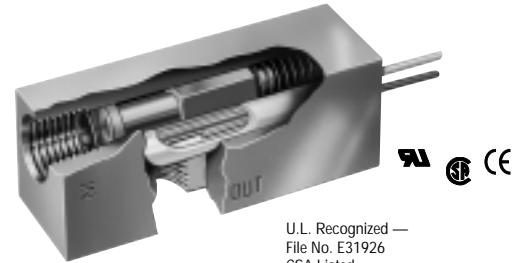
Liquids other than water: Special calibration is available from GEMS for media other than water. Please consult factory with your requirements, including flow media, operating pressure, flow set point and liquid viscosity (SSU).

| Flow Settings GPM | Part Numbers | | |
|----------------------|----------------------------|------------------------------|-----------------|
| | Brass | | Stainless Steel |
| | Normally Open @ No Flow | Normally Closed @ No Flow | Normally Open |
| 0.10 | 70820 ⚡ | 70826 | 26969 |
| 0.25 | 70821 ⚡ | 70827 ⚡ | 26970 |
| 0.50 | 70822 ⚡ | 70828 | 26971 |
| 0.75 | 70823 | 70829 | 26972 |
| 1.00 | 70824 ⚡ | 70830 | 26973 |
| 1.50 | 70825 | 70831 | 26974 |

Notes:

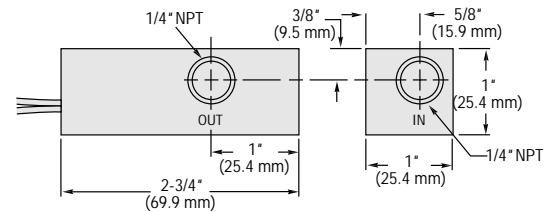
- Flow settings are calibrated using water @ +70°F on increasing flow, with units in a vertical position (lead wires up).
- Care should be taken by specifiers to ensure fluid compatibility with the above listed wetted materials.
- Use of 50 micron filtration is recommended.

⚡ – Stock Items.



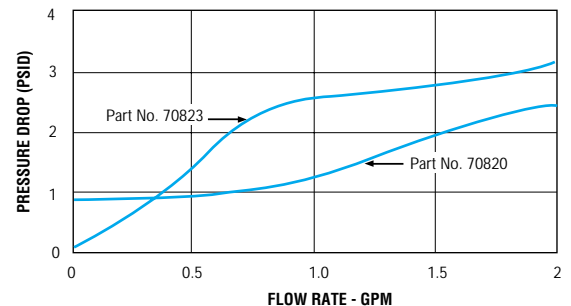
U.L. Recognized —
 File No. E31926
 CSA Listed —
 File No. LR30200

Dimensions



There is almost no space too small for instrument-quality FS-927 flow switches.

Pressure Drop – Typical



Tests conducted with units in vertical position (lead wires up) with water at +70°F (21°C).