

Micro Flow Switch - FS6700 Series

Adjustable Liquid Series

Designed to precisely detect increasing or decreasing flow rate of liquids in critical processes. Typical applications include process analyzer sample conditioning systems, critical purge monitors, excess flow safety, and oxygen and specialty gas systems. The field adjustable poppet allows for precise settings. The miniature, compact construction is ideal for high density system packaging. Made in the USA.

Hazardous Location Service:

- CSA Certified Class I, Div 1&2, Groups A, B, C, D
Class II, Div 1&2, Groups E, F, G
Class III

Features:

- Fully Field Adjustable
- Operates In Any Orientation
- 316 Stainless Steel Construction
- Shock and Vibration Resistant
- 1/8 & 1/4 NPT Connections

Specifications:

- | | |
|---------------------------|--|
| • Switch Assembly | SPDT UL 61760 |
| • Voltage | 100 VDC, 120 VAC max |
| • Contact Rating | 3 Watts resistive max continuous |
| • Current Switching | 0.25 Amp max continuous |
| • Power | 3.30 VA max - 100 VDC
2.46 VA max - 120 VAC |
| • Contact Resistance | 0.20 Ohm max contact resistance |
| • Fluid Media | Liquids (Including Corrosives) |
| • Pressure | 3000 psig max (207 bar) |
| • Max Ambient Temperature | +220°F (+105°C) |
| • Filter | 40 micron |
| • Weight | .45 lbs (205 grams) |



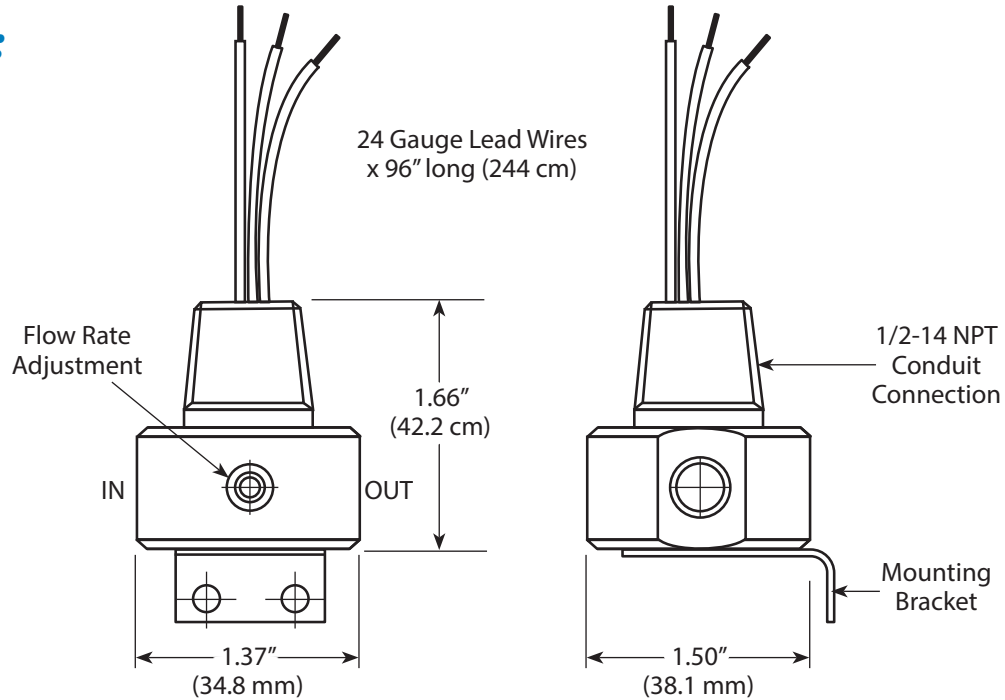
Materials:

- | | |
|-----------------------|---|
| • Body & Wetted Parts | 316 Stainless Steel, Hastelloy, Monel or Titanium |
| • Spring | Inconel X750 |
| • Seals | See Ordering Information |

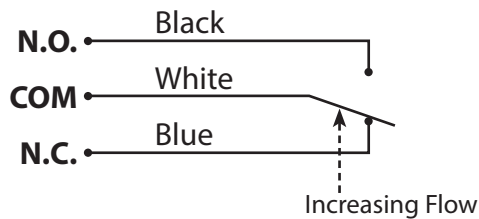
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Dimensions:



Electrical Schematic:



Ordering Information:

FS6702 CV - 1 M

Basic Series

FS6702	1/8 NPT
FS6704	1/4 NPT

Material

C	316 Stainless Steel
H	Hastelloy
M	Monel
T	Titanium

Seal Material

V	Viton®	-20°F (-29°C) to +220°F (+104°C)
B	Buna-N	-40°F (-40°C) to +220°F (+104°C)
E	Ethylene Propylene (EPR)	-40°F (-40°C) to +220°F (+104°C)
K	Kalrez	+30°F (-1°C) to +220°F (+104°C)

Optional Mounting Bracket

Adjustable Flow Range*

-1	0.5 ml/min to 400 ml/min
-3	10 ml/min to 800 ml/min

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