

MICRO FLOW SWITCH

Adjustable Liquid Series - Range 0.5 ml/min to 800 ml/min



- ◆ 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
 - **Cenelec Certified**
EExdII CT3
Class I, Zone I, IIC
 - **CE Compliant**
- ◆ Fully Field Adjustable
- ◆ Operates in Any Orientation
- ◆ Operating Temperature
-40°F to +220°F
(-40°C to +105°C)
- ◆ Operating Pressure
3000 psig (207 bar)
- ◆ 316 Stainless Steel construction
- ◆ Shock and Vibration Resistant
- ◆ Contamination Resistant
- ◆ 1/8 & 1/4 NPT Connections

**FS6700 Series
Micro Flow Switch
available with 1/8 and
1/4 NPT Connections**

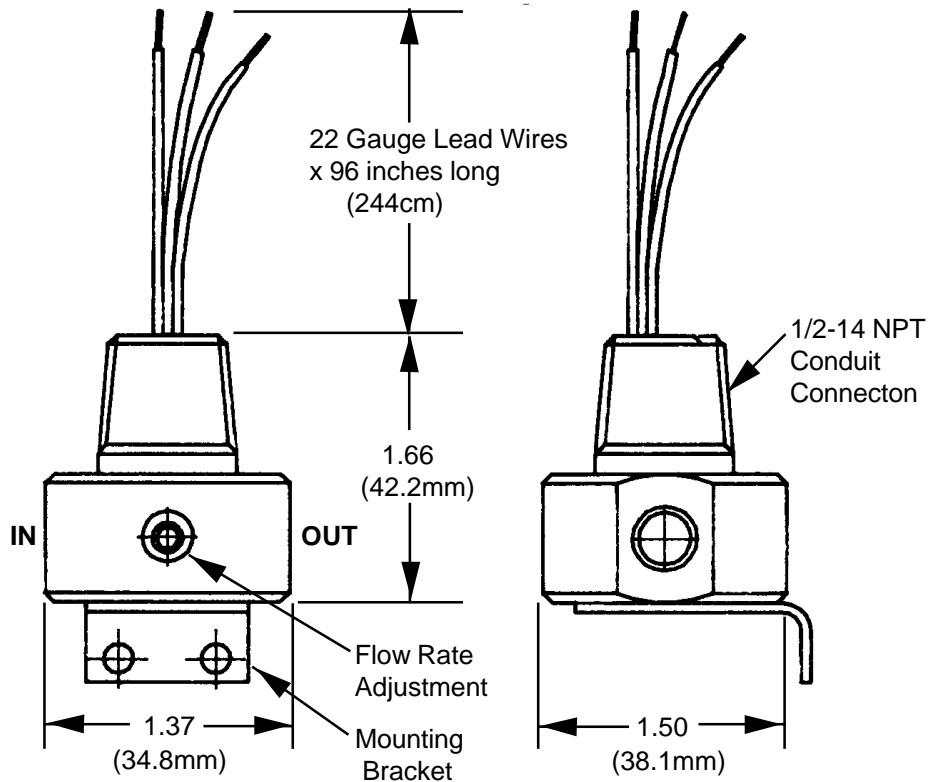
The FS6700 Series *Micro Flow Switch* is designed to precisely detect increasing or decreasing flow rate of liquids in critical processes. Typical applications include process analyzer sample conditioning systems, pump coolant and lubrication monitoring and chemical injection. The linear, high resolution adjustment allows for precise settings. The miniature compact construction is ideal for high density system packaging.

revised 11-02

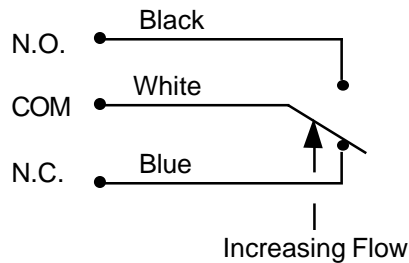
FS6700 Series MICRO FLOW SWITCH

SPECIFICATIONS

- ◆ Switch Assembly - SPDT UL 61760
- ◆ 100 VDC, 120 VAC max.
- ◆ 3 Watts resistive max. continuous
- ◆ 0.25 Amp. max. continuous
- ◆ 3.30 VA max. - 100 VDC
- ◆ 2.46 VA max. - 120 VAC
- ◆ 0.20 Ohm max contact resistance
- ◆ Adjustable Flow Rate Setpoint
 - 1 0.5 ml/min to 400 ml/min
 - 3 10 ml/min to 800 ml/min
- ◆ Fluid Media: Liquids including corrosives
- ◆ Pressure: 3000 psig max. (207 bar)
- ◆ Operating Temperature:
 - 40°F to 220°F (-40°C to 105°C)
- ◆ Leakage: 1×10^{-7} cc/sec He max.
- ◆ Set Point Accuracy: $\pm 1\%$
- ◆ Response Time: 10 milliseconds max.
- ◆ Deactuation (reset): less than 12% of actuation set point
- ◆ Internal Filter: 40 micron
- ◆ Materials:
 - Body and wetted parts: 316 St Stl
 - Spring: Inconel X
 - Seals: As specified
- ◆ Weight: .45 lbs (205 gms)



ELECTRICAL SCHEMATIC



ORDERING INFORMATION

Part Number Example: **FS6702 C V - 1 M**

Basic Series:

FS6702 - 1/8 NPT
FS6704 - 1/4 NPT

Material:

C = 316 Stainless Steel

Seal Material:

V = Viton®
B = Buna - N
E = Ethylene Propylene
K = Kalrez®

Optional Mounting Bracket

Adjustable Flow Range*

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