

## MICRO FLOW SWITCH

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



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

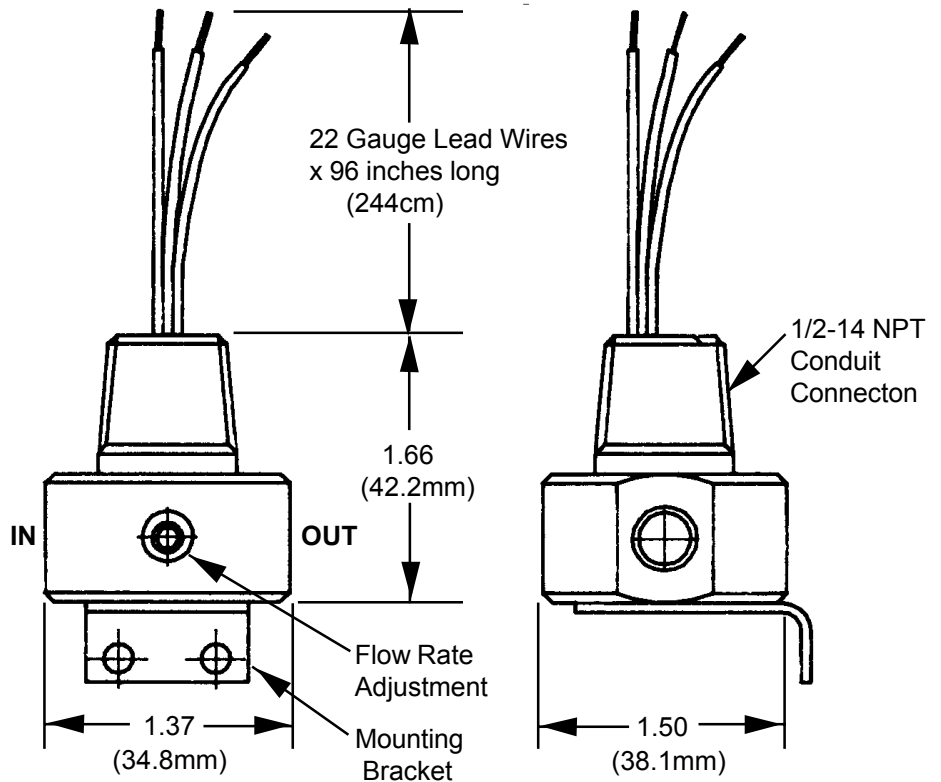
- ◆ Hazardous Location Service
  - **CSA Certified**  
Class I, Div 1&2  
Groups A, B, C, D  
Class II, Div 1&2  
Groups E, F, G  
Class III
  - **Cenelec Certified**  
EExdII CT3  
Class I, Zone I, IIC
  - **CE Compliant**
- ◆ Fully Field Adjustable
- ◆ Operates in Any Orientation
- ◆ Operating Temperature  
-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

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.

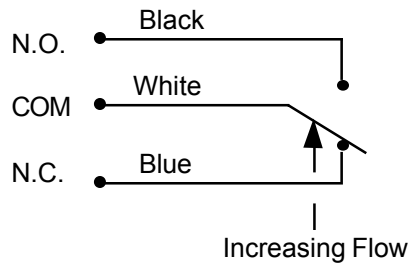
# FS6700 Series MICRO FLOW SWITCH

## 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: 1x10<sup>-7</sup> cc/sec He max.
- ◆ Set Point Accuracy: ±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

\_\_\_\_\_ Optional Mounting Bracket

\_\_\_\_\_ Adjustable Flow Range\*  
 -1 0.5 ml/min to 400 ml/min  
 -3 10 ml/min to 800 ml/min

Seal Material: \_\_\_\_\_  
 V = Viton®  
 B = Buna - N  
 E = Ethylene Propylene  
 K = Kalrez®