



FLOW SWITCH - *High Flow* *Very Low Differential Pressure*

Adjustable Gas Series - Range 1 slpm to 240 slpm



FEATURES

- ◆ Fully Field Adjustable
- ◆ Operates in any Orientation
- ◆ Operating Temperature
-40°F to +220°F
(-40°C to +105°C)
- ◆ Operating Pressure
500 psig (34 bar)
- ◆ 316 Stainless Steel Construction
- ◆ Shock and Vibration Resistant
- ◆ Contamination Resistant
- ◆ 1/4 NPT Connections
- ◆ CE compliant

Applications

- ◆ Flow fault monitor for vacuum pump Nitrogen purge systems and other high flow processes

FS5900 Series Flow Switch with a *High Flow - Very Low Differential* priority channel. Available with 1/4 NPT Connections

The FS5900 Series Flow Switch uses a special priority channel to virtually eliminate differential pressure under high flow conditions, while providing the most reliable flow fault monitor at low flow rate set points. In a typical application example, it would be possible to set the low flow alarm set point at say 1 slpm, with a purge flow rate of 100 slpm or higher.

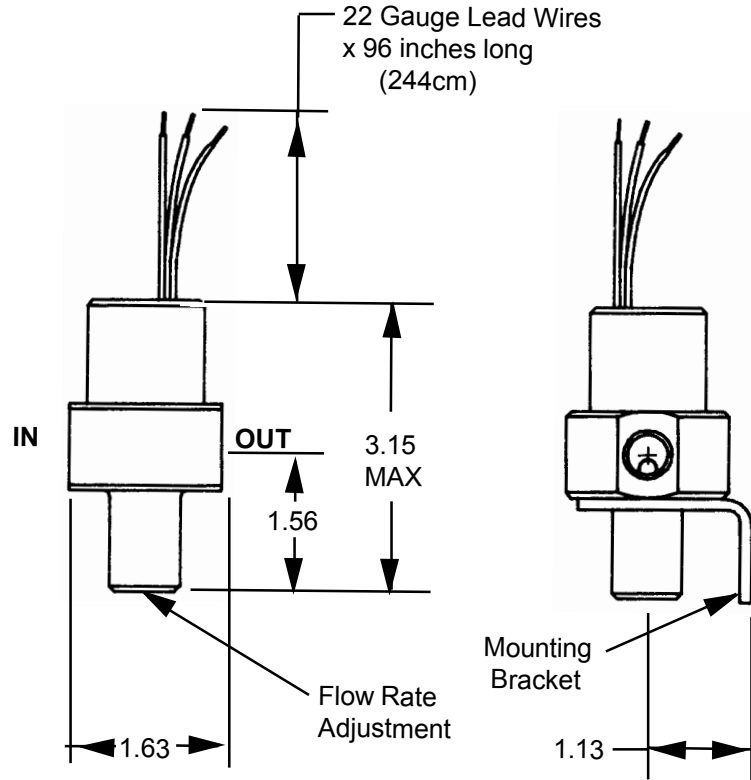
FS5900 Series

FLOW SWITCH - *High Flow Gas*

Very Low Differential Pressure

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
0 - 100 SLPM at 20 PSIG
- ◆ Fluid Media: Gases including corrosives
- ◆ Pressure: 1000 psig max. (207 bar)
- ◆ Differential Pressure at set point:
1.0 psi max.
- ◆ Differential Pressure at any flow rate: 4.0 psi max.
- ◆ Operating Temperature:
-40°F to 220°F (-40°C to 105°C)
- ◆ Leakage: 1x10⁻⁷ 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-750
Seals: As specified



ORDERING INFORMATION

Part Number Example: **FS5904 C V - M**

Basic Series: _____
FS5904 - 1/4 NPT

Material: _____
C = 316 Stainless Steel

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

Optional Mounting Bracket

ELECTRICAL SCHEMATIC

