

Micro Flow Switch - FS6200 Series

Adjustable Gas Series for High Temperatures

Designed to precisely detect increasing or decreasing flow rate of gases 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 and 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 | Gases (including Corrosives) |
| • Pressure | 3000 psig max (207 bar) |
| • Max Ambient Temperature | +220°F (+104°C) |
| • Filter | 40 micron |
| • Weight | .45 lbs (205 grams) |



Models FS6202 & FS6204

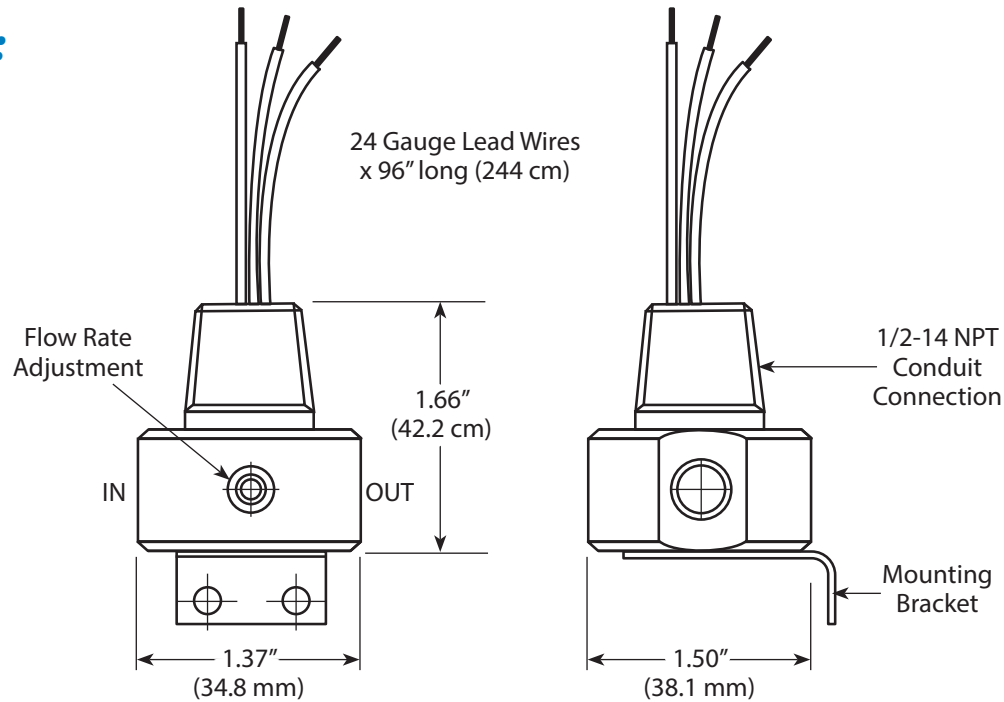
Materials:

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

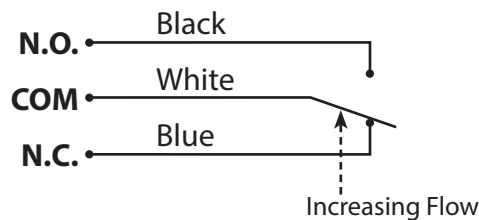
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Dimensions:



Electrical Schematic:



Ordering Information:

FS6202 C V - 1 M

Basic Series

FS6202	1/8 NPT
FS6204	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	30 sccm to 10 slpm
-3	1 slpm to 20 slpm

*Adjustable Flow Rate Set Point @ 5 psig (0.34 bar)

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