

Flow Switch - FS5700 Series

Adjustable Liquid Series for High Flow

The FS5700 Series flow switch is designed to precisely detect increasing or decreasing flow rates of liquids for critical process. The electrical switch is triggered by a Neodymium magnet, the strongest available magnet alloy. This permanent magnet is encapsulated in a 316 stainless steel enclosure which is chemically resistant to most substances. The switch is field adjustable and the compact construction is ideal for high density system packaging. Made in the USA.

Features:

- Fully Field Adjustable
- Operates In Any Orientation
- 316 Stainless Steel Construction
- Shock and Vibration Resistant
- 1/4 and 1/2 NPT Connections
- Optional Explosion Proof Cap

Applications:

- Monitoring of:
- Chemical Injection
 - Metering Pump Integrator
 - Coolant Systems
 - Fire Protection Systems
 - Chemical Analyzers



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 |
| • Fluid Media | Liquids (including Corrosives) |
| • Pressure | 1000 psig max (69 bar) |
| • Differential Pressure at Set Point | -5, -8: 1.0 psi max
-6, -9: 5.0 psi max |
| • Max Ambient Temperature | +220°F (+104°C) |
| • Internal Filter | 40 micron |

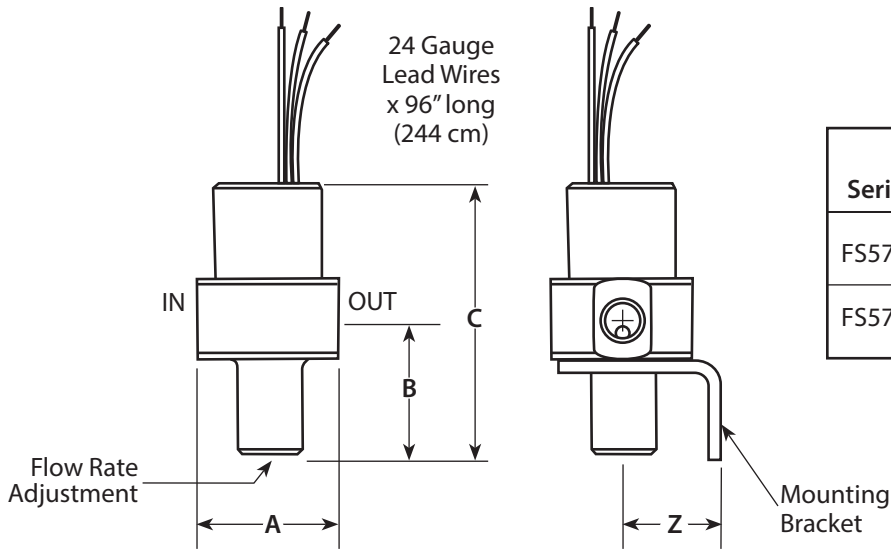
Materials:

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

FS5700 Series

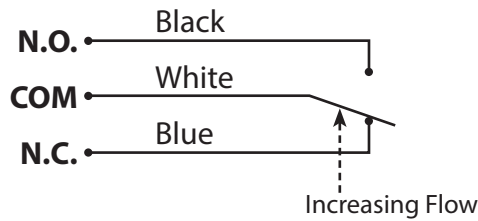
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Dimensions:



Series	Pressure Ports	Dimensions			
		A	B	C	Z
FS5704	1/4 NPT	1.63	1.56	3.12	1.13
FS5708	1/2 NPT	2.25	2.24	3.89	1.63

Electrical Schematic:



Ordering Information:

FS5704 C V - 5 M X

Basic Series

FS5704 1/4 NPT
 FS5708 1/2 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 Explosion Proof Cap

Optional Mounting Bracket

Adjustable Flow Rate*

-5 0.5 lpm to 2 lpm } FS5704
 -6 0.5 lpm to 4 slpm }
 -8 0.5 lpm to 9 lpm } FS5708
 -9 0.5 lpm to 18 lpm }

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