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Flow Switch for liquids
G 2" Connection

Datasheet
C.02/Apr2020

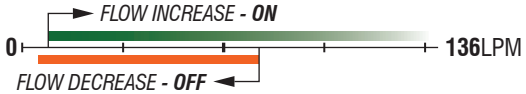
FG20B02

CE

Material
316 Stainless Steel
(PPA piston)

How it works A fluid flow through the sensor causes precise displacement of a magnetic piston and closes an electrical contact (reed switch).

Details
- On/Off output; NO (SPST) working;
- Detects increased or decreased flow;
- Sensitivity adjustment[1].



Actuation Range (in LPM)
Water
From ~8.8 to ~136

Typical applications
- Lubrification and cooling systems monitoring;
- Pipe fluid flow monitoring.

Liquids
- Clean water, oils, lubricants and filtered fuels[2].

Liquids with magnetic particles *will cause deposition/magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.*
Liquids with encrustation particles and/or solids *require tests.*

Technical specifications

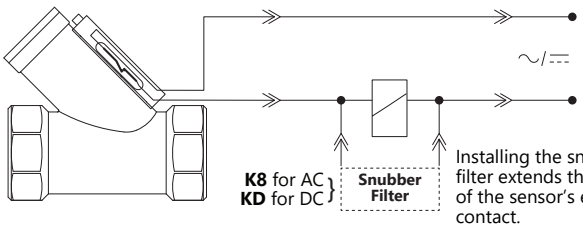
Internal clearance	**1000mm²**
Maximum operation pressure	**25bar**
Operating temperature range	**0°C to 100°C | 140°C @1h**
Inlet/outlet port	**G 2" female (BSP - Parallel)**
Spring	**AISI 302 stainless steel**
Sealing	**NBR (nitrilic rubber) O'Ring[3]**
Output connection	**DIN 43650 Connector - B**
Enclosure rating	**IP66**
Electrical contact	**Reed Switch 20W/VA**

The sensors work in all voltage and current ranges displayed in the table bellow:

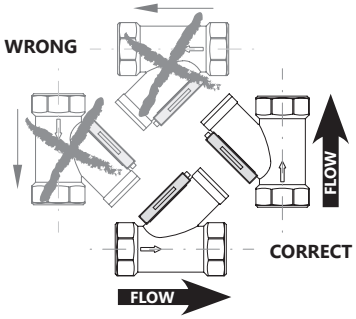
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc	10W	0.5A	1A @20ms

24Vac: Recommended use with Schneider coupling relay model RSLZVA1.

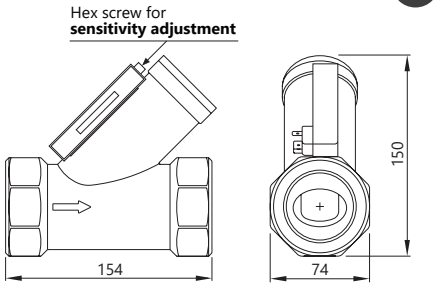
• Typical connection to contactor



Mounting (Important!)



Dimensions (mm) and Weight 2.8Kg



Notes

[1] In water. Set point accuracy: ±15%.
Repeatability (not considering the viscosity change of liquids): ±10%.
[2] For application in oil, recommended model **FG20B04**.
[3] Not included with the product.