



Leader dans la réalisation de Détecteurs de survitesse mécaniques.

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TECHNICAL DATA ICF 30 EL5



- For liquids or gases (even charged) depending on the type of seals (Viton or Nitrile).
- Use on fixed or mobile installations
- Direct reading of the differential pressure
- No online maintenance
- Calibration range: 0.3 to 5 bar
- No fluid in contact with the reading
- Maximum operating temperature: 85 ° C
- Material: Brass, Stainless steel, Aluminum and all non-magnetic materials
- Connection: M10x100; G1/4; others on request

PRINCIPLE OF OPERATION

The indicator collects the pressures Before Filter P and After Filter P1 which act on a membrane with process.

These pressure variations cause a movement of the membrane which allows the piston to move and to magnetically transmit the evolution of the differential pressure by by means of a colored indicator visible whatever the mounting position. When the pressure P1 decreases, the piston moves upwards and actuates a reed contact changeover switch wired to a 3-pin connector which gives an electrical signal to complete the indication.



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MAIN TECHNICAL CHARACTERISTICS

Construction:

Brass, stainless steel, all non-magnetic materials.

Dimensions:

See plan page 5

Membrane and seals:

Nitrile or Viton

Pressure:

Line pressure: Brass : 80 Bar

Stainless steel : 150 Bar

Permissible pressure on the membrane alone (burst):

Nitrile: 20 Bar

Viton: 20 Bar

Differential pressure: Range 0.3 to 5 bar

Maximum operating temperature: Continuous 85 ° C

Temporarily 100 ° C

Mounting: Vertical or horizontal

The electrical connections are made with the female connector and the cable clamp supplied with the delivery.

The AVF and APF connections must be fitted with high pressure connections.

Set point:

The clogging indicators are factory set to the set point requested by the user. The switching takes place with increasing pressure to 100% of the predetermined maximum ΔP . Tolerance of the pressure indication is 3,5%.

Protection sign:

IP 54 or IP 65 (on request)

Electrical Specifications:

Reed contact: Changeover type

Breaking capacity 10 VA

Maximum current 0.5A

Max voltage 250V

Breakdown voltage 1000V

Initial contact resistance 150m Ω

Insulation resistance 108 Ω

Connector wiring diagram (at rest):

Pin 1 + 3 = Normally closed (NC)

Pin 2 + 3 = Normally open (NO)

Pin 3 = Common

Identification:

All indicators have an engraving allowing their identification. On this engraving figures:

- The type of indicator,
- The serial number,
- The adjustment threshold.

Weight of the indicator: 1,400 KG maximum

Preventive maintenance:

Elastomers are products with a controlled lifespan. It is advisable to change the gaskets and membrane every 5 years. In case of intensive use, this time can be reduced mainly when the membrane is subjected to a large number of alternations.

After any intervention, a passage to the test bench to check the assembly and the set point (visual and electrical) is imperative.

Spare parts and sub-assemblies are available on demand.

