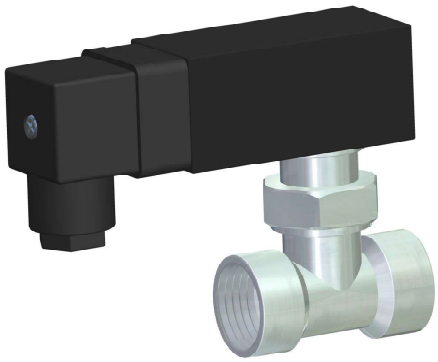
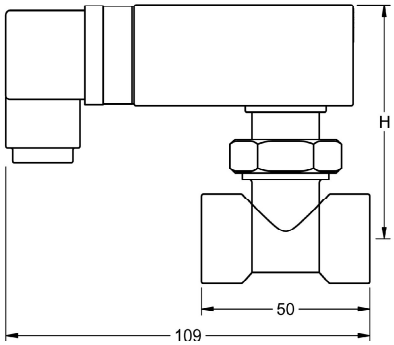
DISIBEINT

# SF140





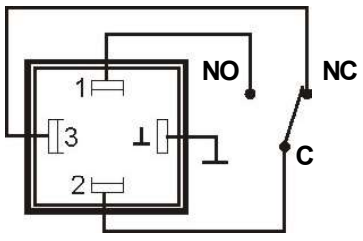

**FLOW SENSOR**

| | |
|---|---|
| Function | Flow sensor by mechanical drive.<br>Control of small and medium-flow in systems of movement of liquids. |
| Operating principle | A small paddle controls by means of a spring the unidirectional movement of the liquid. The end part of the paddle is united to a mobile part which conveys magnetically the movement to the upper part of the sensor, isolated of the liquid, in which it is assembled a cam acting over the micro-switch. |
| Process connection | Threaded sleeve 1/2" - 3/4" - 1" G |
| Electrical connection | Connector DIN43650 |
| Output | Relay SPDT 3A / 250 VCA |
| Operating temperature (ºC) | -10 .. +110 |
| Maximum pressure (bar) | 25 |
| Flow regulation | By means of a screw placed in the rear side of the sensor (cover protected).<br>When the screw turns, it is adjusted the position of the micro-switch in such a way that the sensor detects the required quantity of moving liquid (see picture below). |
| Flow direction | It is imperative install the sensor according to the proper flow direction (see picture below). |
| Body material | Nickel-plated brass |
| Housinng material | ABS |
| Paddle material | Stainless steel |
| Spring material | Stainless steel |
| Sealing joint material | NBR |
| Protection | IP65 |

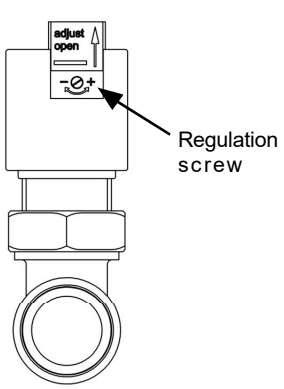
Flow velocity

| *Connection thread* | *Regulation field (l/min)* | *Differential (l/min)* | *H (mm)* |
|---|---|---|---|
| 1/2" DN15 | 6 .. 7 | 0,5 | 86,5 |
| 3/4" DN20 | 7,9 .. 11 | 2,0 | 88 |
| 1" DN25 | 17 .. 20,5 | 4,0 | 91,5 |

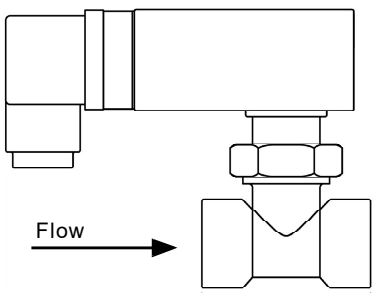
**Connection diagram**




**Flow adjustment**




**Flow direction**



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