

315 Flow switch with magnetically operated contacts

Size: 3/4"

Flow switch with magnetically operated contacts.

230 V - 0,02 A.

Max. working pressure: 6 bar. Max. working temperature: 100°C.

Contact closing with **increasing flow rate** at: 456 l/h
Contact opening with **decreasing flow rate** at: 348 l/h

Technical Specification:

Materials:

Body brass EN 12165 CW6 17N

Performance:

Medium:

Max Percentage of glycol

Protection class:

Max working pressure: Working temperature range:

Voltage:
Maximum current intensity:

Contacts normally open (NO)

Contacts close with increase flow at: Contacts open with decreasing flow at:

Threaded connections:

Drinking water and glycol solutions

30% IP65

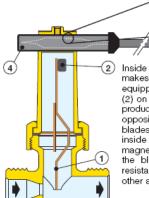
6 ba5r -15 - 100 °C 230 V (ac)

0,02 A

456 l/h (3/4") 348 l/h (3/4")

½″ M

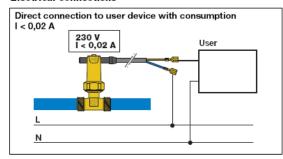
Operating principle

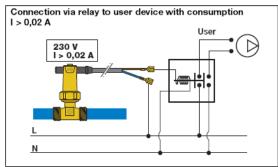


Inside the body, the water hits and makes it rotate a pivoting paddle (1) equipped with a permanent magnet (2) on its top end. The magnetic field produced by the magnet polarises, with opposing signs, two ferro-magnetic blades (3), positioned close together inside a glass bulb (4). When the magnetic force of attraction between the blades overcomes their elastic resistance, they bend towards each other and close the electric contact.



Electrical connections



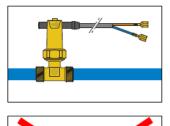


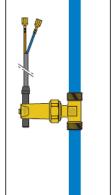
N.B.: It is recommended to pay attention to the current consumption value of the user device the flow switch is connected to. If this value is greater than 0,02 A, a relay must be installed between the flow switch and the user device itself to prevent damage to the flow switch contacts.

International approvals:

CE and WRAS

Installation





The 315 series flow switch can be installed on either vertical or horizontal piping, but not upside down.
The top part of the flow switch, containing the magnetic mechanism, is

