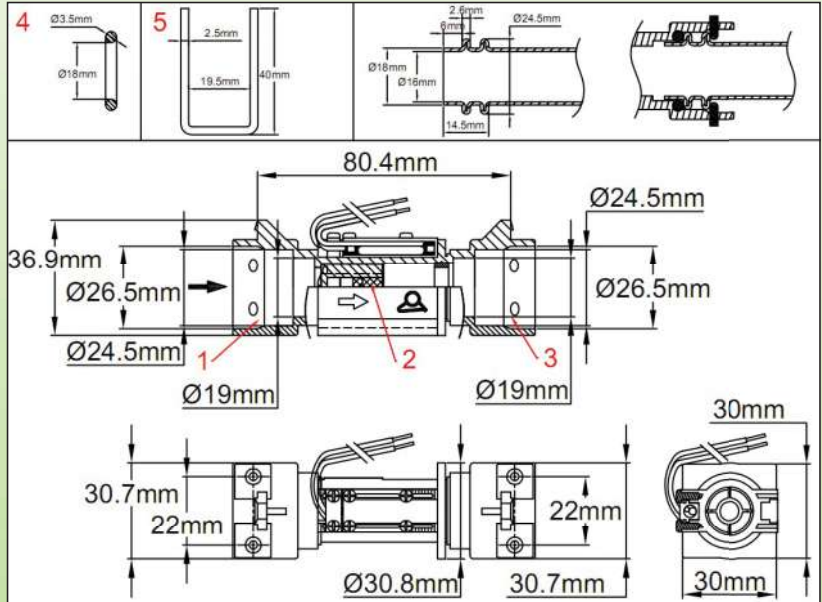


Piston flow switches, reed switch contact, snap in inlet and outlet for copper tube, Type: R34

Pressure and size	Flow sensing: Magnetic piston	Mounting: Fast on inlet and outlet	Contact: Reed switch, close on flow rise	Electrical rating	Mounting position	Type
PN10 DN15				≤ 1A ≤ 70W ≤ 250V~		R34



- 1: Snap-in water inlet
- 2: Flow detection piston
- 3: Snap-in water outlet
- 4: O-ring
- 5: Snap in spring



Main applications: Product developed for electrical or gas instantaneous water heaters. Snap in water inlet and outlet for copper tubes. Mandatory vertical mounting, with water inlet from the bottom.

Functional principle: Magnetic piston mounted in line with the flow and activating a reed switch through the wall. The return of the piston is by made by gravity. No seal or liquid can pass between the piping system and the electrical contact. Suitable for potable water. Must not be used for water containing magnetic particles or high viscosity liquids, which block the movement of the piston.

Adjustment: Can be factory set by adjusting the piston diameter and piston weight

Body material: PPO compatible with drinking water.

Piston: PPO

Electrical rating: Max 1A, Max 70W, Max 250V, resistive load. Use on inductive circuits reduces electrical rating. We recommend to protect the reed switch with contact protection device when used in inductive loads

Electric contact type: Normally open, closes by flow rise

Liquids compatibility: For use with clean water and liquids without magnetic particles and without chemical incompatibility with PPO Nominal pressure at 20°C: 1MPa (PN10)

Flow detection set point factory setting limits:

Close by flow rise: 1 to 12 L/min

Open by flow decrease: About 0.4 to 0.5L/min lower than close value

Nominal diameter: DN15

Mandatory mounting position: on vertical pipes, upstream flow

Water pipe connection: Fast-on connection with O-ring and clips on DN20 beaded copper tubes. OD 18 mm

Liquids temperature range: 5 to 80°C

Ambient temperature range: 5 to 50°C

Ingress protection: IP65

Electrical connection: 2 x AWG24 wires (0.2mm²), PVC insulation, T80°, standard length 300 mm.

Options (MOQ apply):

- Wires with connector or terminals,
- Other wire lengths,
- Other calibration values
- Two contacts
- Upside water inlet, (by adding an internal stainless steel piston spring)

Main references (with 300 mm wires)

References	Close on flow rise (L/min)	Open on flow decrease (L/min)
R34B610100000330	1±0,2	0,7±0,2
R34B610150000330	1,5±0,2	1,2±0,2
R34B610180000330	1,8±0,2	1,4±0,2
R34B610300000330	3±0,3	2.6±0,3

Other calibration on request