Connection G 1/2”
FH12B02

A fluid flow through the sensor causes precise displacement of magnetic piston that acts on a Reed Switch contact.

Technical specifications

Body	**PPA (Polyphthalamide)**
Spring	**AISI 302 stainless steel**
Internal clearance	**114mm²**
Maximum operating pressure	**10bar**
Operating temperature range	**0°C to 100°C | 140°C @1h**
Inlet/outlet port	**G 1/2” female**
O’Ring	**NBR (nitrilic rubber)**
Output connection	**DIN 43650 Connector - B**
Enclosure rating	**IP66**
Electrical contact	**Reed Switch**

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

*If use contactor, RC Snubber Filter KD is required.

Included:


O’Ring to sealing Parker - **code 2-116**


K8 snubber filter to electrical installation (AC)


Allen wrench to adjust the sensitivity


Results of the sensitivity test (fixed in the package)

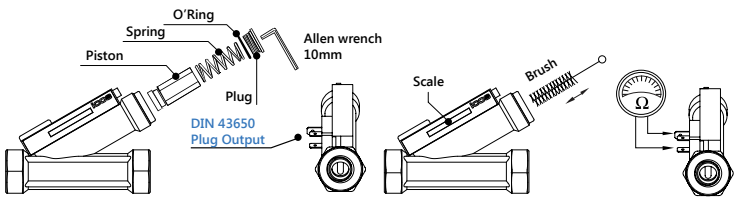
IMPORTANT!
Internal magnetic piston susceptible to retention of ferrous particles.

Installation

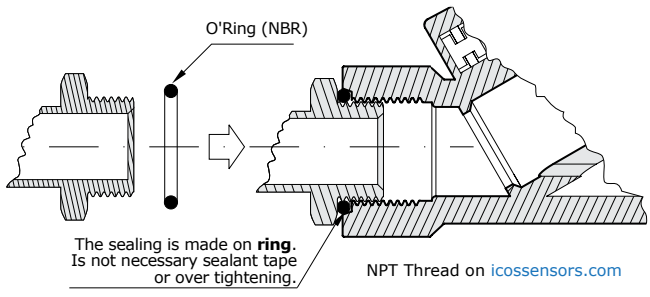
- In applications without excessive vibration;
- Horizontal or vertical mounting with upward flow;
- Minimum distance 20mm from any ferrous surface;
- Mounting with parallel port connection and O’Ring.

Maintenance

1. Open the plug, remove the spring and clean using a brush if there is encrustation;
2. Mount the sensor again as below illustrated;
3. Test the electrical contact using an ohmmeter, moving the magnetic piston.



GAS (BSP) Thread: Mounting and Sealing



Questions? Call us BEFORE you install: +55 (15) 3032.9190

Term of Warranty

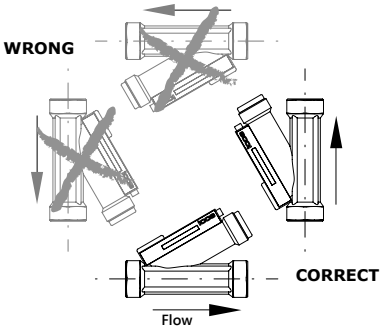
For installations according to this guide: 01 (one) year warranty.
Incorrect installation cancels the warranty - all sensors have been tested and approved.

Liquids with ferrous particles require technical analysis: the sensor has magnetic component inside.

Sensitivity Adjustment of Flow

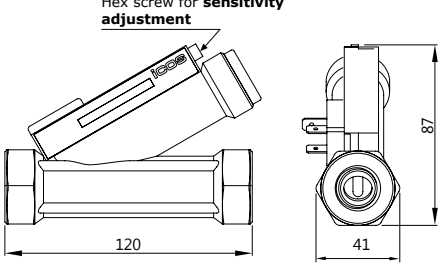
Range for sensitivity adjustment (Ref. in water)

Mounting (Important!)



Dimensions (mm) and Weight

280g



A fluid flow through the sensor causes precise displacement of magnetic piston that acts on a Reed Switch contact.

Technical specifications

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Maximum operating pressure	**10bar**
Operating temperature range	**0°C to 100°C | 140°C @1h**
Inlet/outlet port	**G 1/2” female**
O’Ring	**NBR (nitrilic rubber)**
Output connection	**DIN 43650 Connector - B**
Enclosure rating	**IP66**
Electrical contact	**Reed Switch**

Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
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5Vdc	2.5W	0.5A	1A @20ms
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*If use contactor, RC Snubber Filter KD is required.

Included:


O’Ring to sealing
Parker - **code 2-116**


K8 snubber filter to electrical installation (AC)


Allen wrench to adjust the sensitivity


Results of the sensitivity test (fixed in the package)

IMPORTANT!
Internal magnetic piston susceptible to retention of ferrous particles.

Installation

- In applications without excessive vibration;
- Horizontal or vertical mounting with upward flow;
- Minimum distance 20mm from any ferrous surface;
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Maintenance

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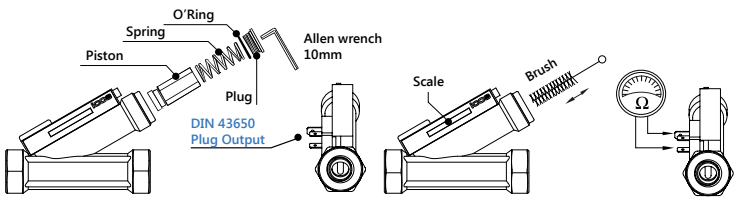
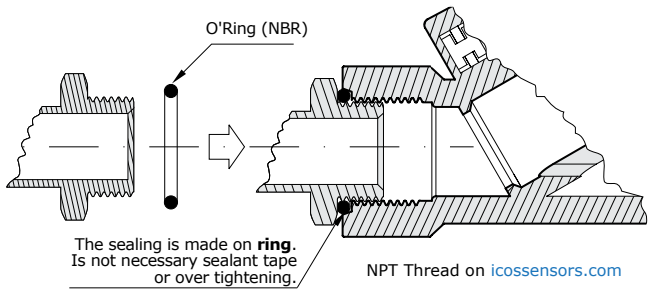


GAS (BSP) Thread: Mounting and Sealing



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Term of Warranty

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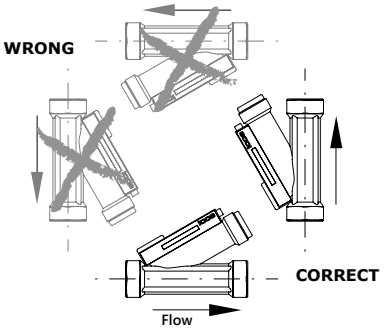
Incorrect installation cancels the warranty - all sensors have been tested and approved.

Liquids with ferrous particles require technical analysis: the sensor has magnetic component inside.

Sensitivity Adjustment of Flow

Range for sensitivity adjustment (Ref. in water)

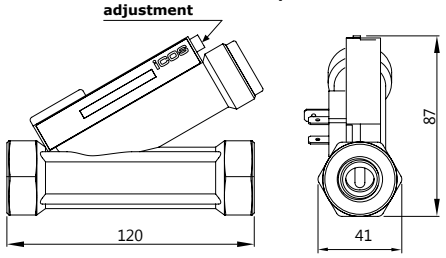
Mounting (Important!)



Dimensions (mm) and Weight

280g

Hex screw for **sensitivity adjustment**



Connection G 1/2”
FH12B06

Datasheet
B.02/Oct2014

A fluid flow through the sensor causes precise displacement of magnetic piston that acts on a Reed Switch contact.

Technical specifications

Body	**PPA (Polyphthalamide)**
Spring	**AISI 302 stainless steel**
Internal clearance	**114mm²**
Maximum operating pressure	**10bar**
Operating temperature range	**0°C to 100°C | 140°C @1h**
Inlet/outlet port	**G 1/2” female**
O’Ring	**NBR (nitrilic rubber)**
Output connection	**DIN 43650 Connector - B**
Enclosure rating	**IP66**
Electrical contact	**Reed Switch**

Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
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5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc*	10W	0.5A	1A @20ms

*If use contactor, RC Snubber Filter KD is required.

Included:


O’Ring to sealing
Parker - **code 2-116**


K8 snubber filter to electrical installation (AC)


Allen wrench to adjust the sensitivity


Results of the sensitivity test (fixed in the package)

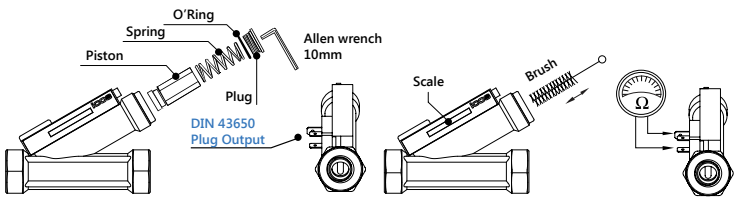
IMPORTANT!
Internal magnetic piston susceptible to retention of ferrous particles.

Installation

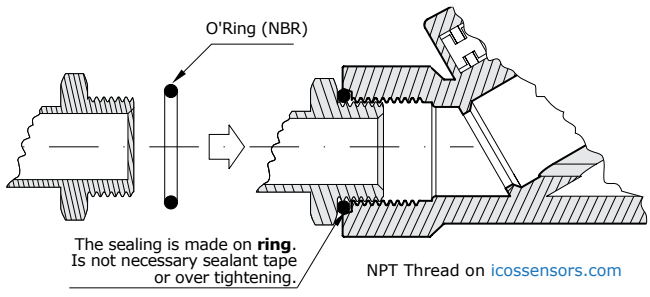
- In applications without excessive vibration;
- Horizontal or vertical mounting with upward flow;
- Minimum distance 20mm from any ferrous surface;
- Mounting with parallel port connection and O’Ring.

Maintenance

1. Open the plug, remove the spring and clean using a brush if there is encrustation;
2. Mount the sensor again as below illustrated;
3. Test the electrical contact using an ohmmeter, moving the magnetic piston.



GAS (BSP) Thread: Mounting and Sealing



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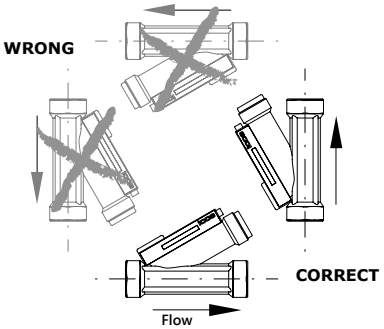
Sensitivity Adjustment of Flow

Range for sensitivity adjustment (Ref. in water)

Mounting (Important!)



Dimensions (mm) and Weight

280g