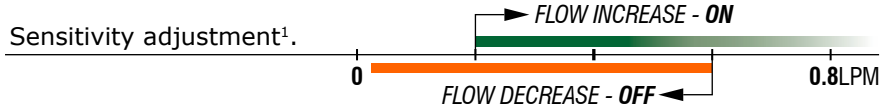
FE18B02

Material
PPA - Polyphthalamide

How it works A fluid flow through the sensor causes precise displacement of magnetic piston and closes an electrical contact (reed switch).

Details
- On/Off output; NO (SPST) working;
- Detects increased or decreased flow;
- Sensitivity adjustment[1].



Typical applications
- Lubrification and cooling systems monitoring;
- Pipe fluid flow monitoring.

Liquids
- Clean water, oils, lubricants and filtered fuels[2].

Liquids with magnetic particles *will cause deposition / magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.*

Liquids with encrustation particles and/or solids *require tests.*

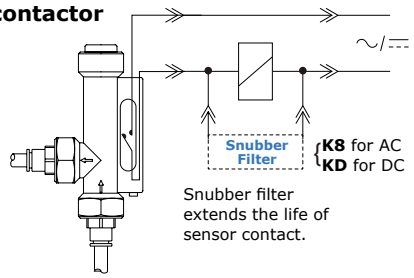
Technical specifications

Internal clearance	**4mm²**
Maximum operating pressure	**10bar**
Operating temperature range	**0°C to 100°C | 140°C @1h**
Inlet/outlet port	**G 1/8” female**
Spring	**AISI 304 stainless steel**
O’Ring	**NBR (nitrilic rubber)**
Output connection	**Wire 2 x 0.14mm² x 1.5m**
Enclosure rating	**IP66**
Electrical contact	**Reed Switch with Internal Resistor 10R**

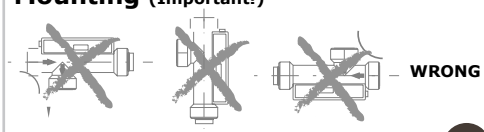
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc*	10W	0.5A	1A @20ms

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

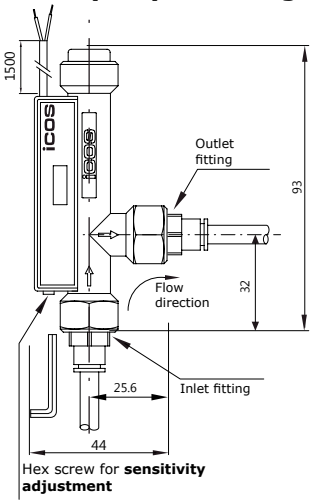
- **Typical connection to contactor**



Mounting (Important!)



Dimensions (mm) and Weight 90g



Notes

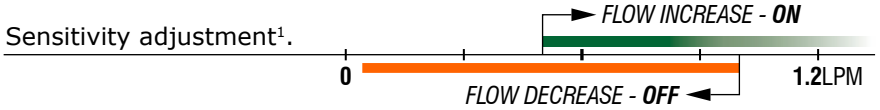
[1] In water. Set point accuracy: ±15%.
Repeatability (not considered the viscosity change of liquids): ± 10%.
[2] For application in oil, recommended model **FE18B04**.

FE18B04

Material
PPA - Polyphthalamide

How it works A fluid flow through the sensor causes precise displacement of magnetic piston and closes an electrical contact (reed switch).

Details
- On/Off output; NO (SPST) working;
- Detects increased or decreased flow;
- Sensitivity adjustment[1].



Typical applications
- Lubrification and cooling systems monitoring;
- Pipe fluid flow monitoring.

Liquids
- Clean water, oils, lubricants and filtered fuels.

Liquids with magnetic particles *will cause deposition / magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.*

Liquids with encrustation particles and/or solids *require tests.*

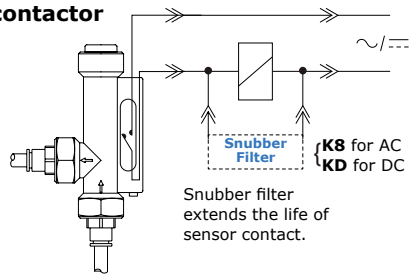
Technical specifications

Internal clearance	**4mm²**
Maximum operating pressure	**10bar**
Operating temperature range	**0°C to 100°C | 140°C @1h**
Inlet/outlet port	**G 1/8” female**
Spring	**AISI 304 stainless steel**
O’Ring	**NBR (nitrilic rubber)**
Output connection	**Wire 2 x 0.14mm² x 1.5m**
Enclosure rating	**IP66**
Electrical contact	**Reed Switch with Internal Resistor 10R**

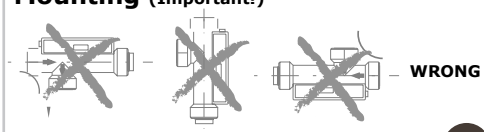
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc*	10W	0.5A	1A @20ms

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

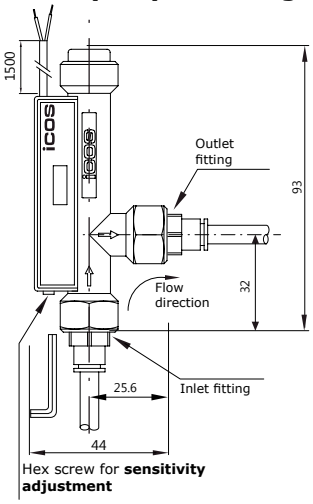
- **Typical connection to contactor**



Mounting (Important!)



Dimensions (mm) and Weight 90g



Notes

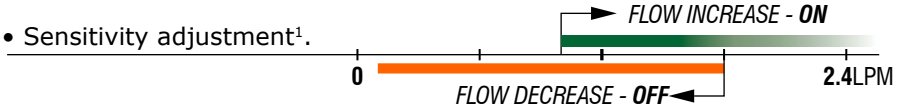
[1] In water. Set point accuracy: ±15%.
Repeatability (not considered the viscosity change of liquids): ± 10%.

FA14B02

Material
PPA - Polyphthalamide

How it works A fluid flow through the sensor causes precise displacement of magnetic piston and closes an electrical contact (reed switch).

Details
- On/Off output; NO (SPST) working;
- Detects increased or decreased flow;
- Sensitivity adjustment[1].



Typical applications
- Lubrification and cooling systems monitoring;
- Pipe fluid flow monitoring.

Liquids
- Clean water, oils, lubricants and filtered fuels[2].

Liquids with magnetic particles *will cause deposition / magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.*

Liquids with encrustation particles and/or solids *require tests.*

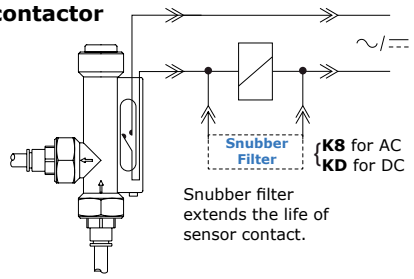
Technical specifications

Internal clearance	**8mm²**
Maximum operating pressure	**10bar**
Operating temperature range	**0°C to 100°C | 140°C @1h**
Inlet/outlet port	**G 1/4” female**
Spring	**AISI 304 stainless steel**
O’Ring	**NBR (nitrilic rubber)**
Output connection	**Wire 2 x 0.14mm² x 1.5m**
Enclosure rating	**IP66**
Electrical contact	**Reed Switch with Internal Resistor 10R**

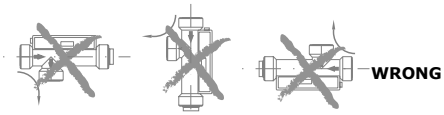
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc*	10W	0.5A	1A @20ms

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

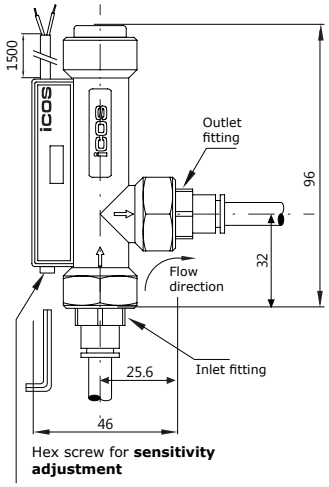
- **Typical connection to contactor**



Mounting (Important!)



Dimensions (mm) and Weight 125g



Notes

[1] In water. Set point accuracy: ±15%.
Repeatability (not considered the viscosity change of liquids): ± 10%.

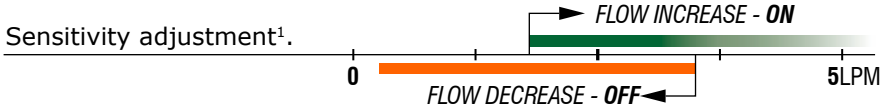
[2] For application in oil, recommended model **FA14B04** or **FA14B06**.

FA14B04

Material
PPA - Polyphthalamide

How it works A fluid flow through the sensor causes precise displacement of magnetic piston and closes an electrical contact (reed switch).

Details
- On/Off output; NO (SPST) working;
- Detects increased or decreased flow;
- Sensitivity adjustment[1].



Typical applications
- Lubrification and cooling systems monitoring;
- Pipe fluid flow monitoring.

Liquids
- Clean water, oils, lubricants and filtered fuels[2].

Liquids with magnetic particles *will cause deposition / magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.*

Liquids with encrustation particles and/or solids *require tests.*

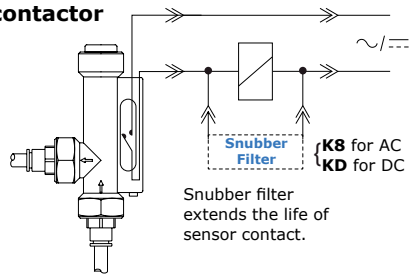
Technical specifications

Internal clearance	**8mm²**
Maximum operating pressure	**10bar**
Operating temperature range	**0°C to 100°C | 140°C @1h**
Inlet/outlet port	**G 1/4” female**
Spring	**AISI 304 stainless steel**
O’Ring	**NBR (nitrilic rubber)**
Output connection	**Wire 2 x 0.14mm² x 1.5m**
Enclosure rating	**IP66**
Electrical contact	**Reed Switch with Internal Resistor 10R**

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

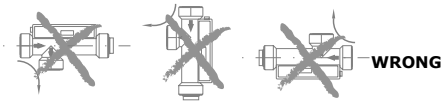
* If use contactor, RC Snubber Filter KD is required.

- **Typical connection to contactor**

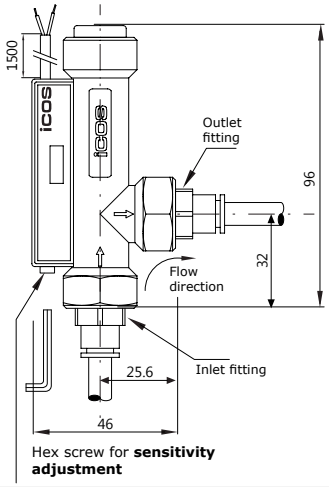


Snubber filter extends the life of sensor contact.

Mounting (Important!)



Dimensions (mm) and Weight 125g



Notes

[1] In water. Set point accuracy: ±15%.
Repeatability (not considered the viscosity change of liquids): ± 10%.

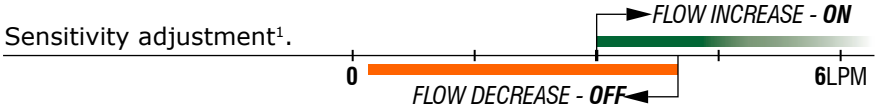
[2] For application in oil, also recommended model **FA14B06**.

FA14B06

Material
PPA - Polyphthalamide

How it works A fluid flow through the sensor causes precise displacement of magnetic piston and closes an electrical contact (reed switch).

Details
- On/Off output; NO (SPST) working;
- Detects increased or decreased flow;
- Sensitivity adjustment[1].



Typical applications
- Lubrification and cooling systems monitoring;
- Pipe fluid flow monitoring.

Liquids
- Clean water, oils, lubricants and filtered fuels[2].

Liquids with magnetic particles *will cause deposition / magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.*

Liquids with encrustation particles and/or solids *require tests.*

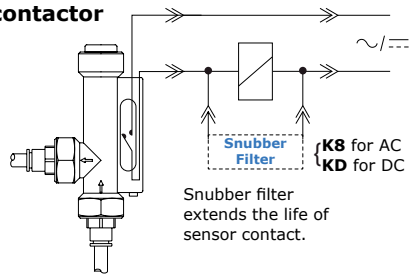
Technical specifications

Internal clearance	**8mm²**
Maximum operating pressure	**10bar**
Operating temperature range	**0°C to 100°C | 140°C @1h**
Inlet/outlet port	**G 1/4” female**
Spring	**AISI 304 stainless steel**
O’Ring	**NBR (nitrilic rubber)**
Output connection	**Wire 2 x 0.14mm² x 1.5m**
Enclosure rating	**IP66**
Electrical contact	**Reed Switch with Internal Resistor 10R**

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

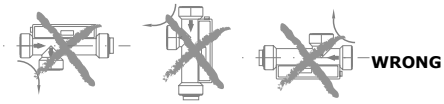
* If use contactor, RC Snubber Filter KD is required.

- **Typical connection to contactor**

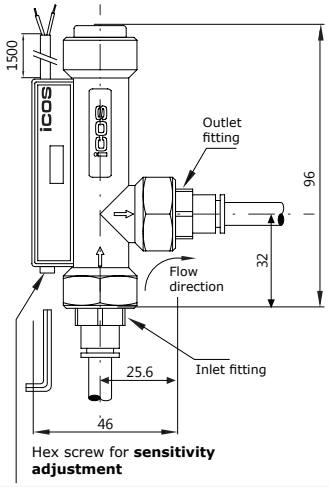


Snubber filter extends the life of sensor contact.

Mounting (Important!)



Dimensions (mm) and Weight 125g



Notes

[1] In water. Set point accuracy: ±15%.
Repeatability (not considered the viscosity change of liquids): ± 10%.

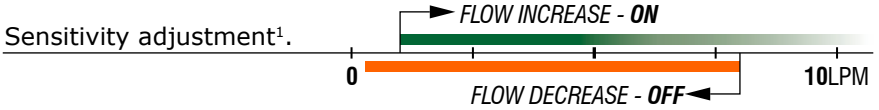
[2] For application in oil, also recommended model **FA14B04**.

FH12B02

Material
PPA - Polyphthalamide

How it works A fluid flow through the sensor causes precise displacement of magnetic piston and closes an electrical contact (reed switch).

Details
- On/Off output; NO (SPST) working;
- Detects increased or decreased flow;
- Sensitivity adjustment[1].



Typical applications
- Lubrification and cooling systems monitoring;
- Pipe fluid flow monitoring.

Liquids
- Clean water, oils, lubricants and filtered fuels[2].

Liquids with magnetic particles *will cause deposition / magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.*

Liquids with encrustation particles and/or solids *require tests.*

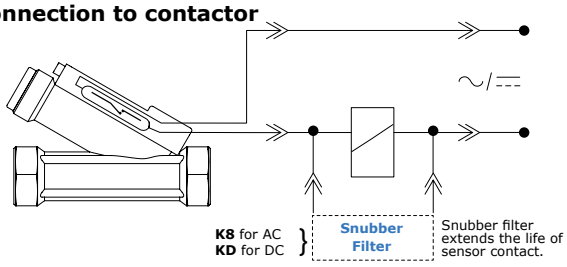
Technical specifications

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 - 416 stainless steel**
Spring	**AISI 302 stainless steel**
O’Ring	**NBR (nitrilic rubber)**
Output connection	**DIN 43650 Connector - B**
Enclosure rating	**IP66**
Electrical contact	**Reed Switch with Internal Resistor 10R**

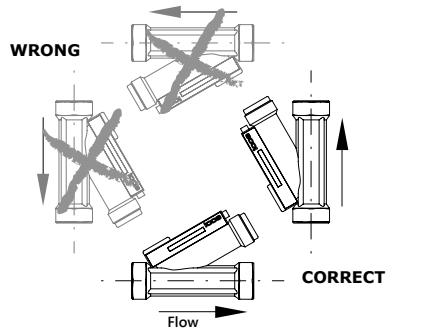
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc*	10W	0.5A	1A @20ms

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

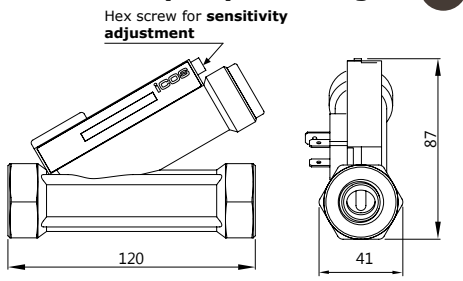
• Typical connection to contactor



Mounting (Important!)



Dimensions (mm) and Weight 280g



Notes

[1] In water. Set point accuracy: ±15%.
Repeatability (not considered the viscosity change of liquids): ± 10%.

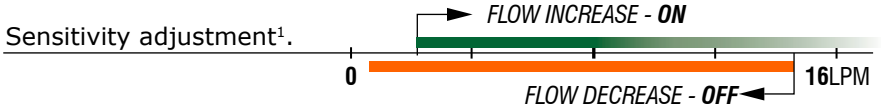
[2] For application in oil, recommended model **FH12B04** or **FH12B06**.

FH12B04

Material
PPA - Polyphthalamide

How it works A fluid flow through the sensor causes precise displacement of magnetic piston and closes an electrical contact (reed switch).

Details
- On/Off output; NO (SPST) working;
- Detects increased or decreased flow;
- Sensitivity adjustment[1].



Typical applications
- Lubrification and cooling systems monitoring;
- Pipe fluid flow monitoring.

Liquids
- Clean water, oils, lubricants and filtered fuels[2].

Liquids with magnetic particles *will cause deposition / magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.*

Liquids with encrustation particles and/or solids *require tests.*

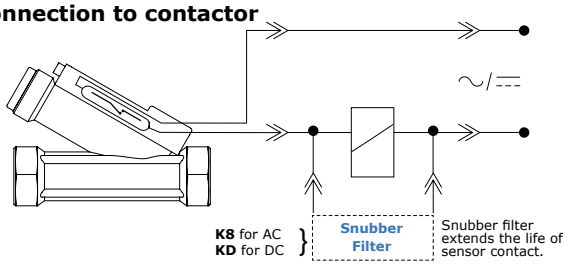
Technical specifications

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 - 416 stainless steel**
Spring	**AISI 302 stainless steel**
O’Ring	**NBR (nitrilic rubber)**
Output connection	**DIN 43650 Connector - B**
Enclosure rating	**IP66**
Electrical contact	**Reed Switch with Internal Resistor 10R**

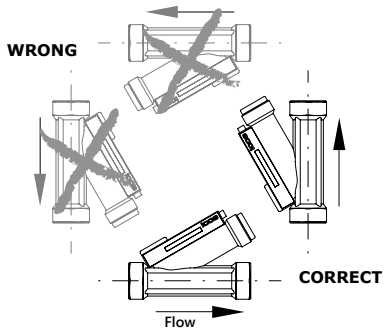
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc*	10W	0.5A	1A @20ms

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

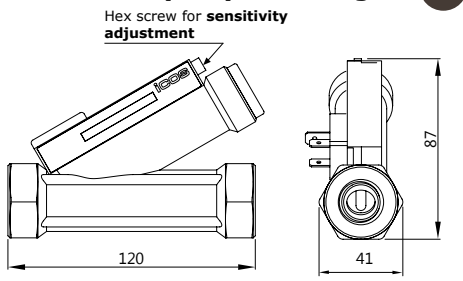
• Typical connection to contactor



Mounting (Important!)



Dimensions (mm) and Weight 280g



Notes

[1] In water. Set point accuracy: ±15%.
Repeatability (not considered the viscosity change of liquids): ± 10%.

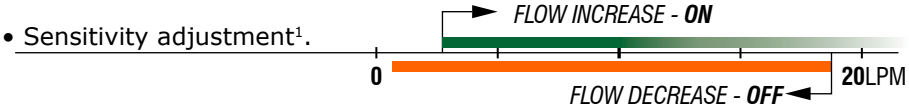
[2] For application in oil, also recommended model **FH12B06**.

FH12B06

Material
PPA - Polyphthalamide

How it works A fluid flow through the sensor causes precise displacement of magnetic piston and closes an electrical contact (reed switch).

Details
- On/Off output; NO (SPST) working;
- Detects increased or decreased flow;
- Sensitivity adjustment[1].



Typical applications
- Lubrification and cooling systems monitoring;
- Pipe fluid flow monitoring.

Liquids
- Clean water, oils, lubricants and filtered fuels[2].

Liquids with magnetic particles *will cause deposition / magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.*

Liquids with encrustation particles and/or solids *require tests.*

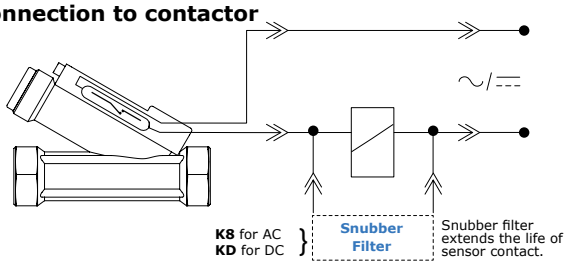
Technical specifications

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 - 416 stainless steel**
Spring	**AISI 302 stainless steel**
O’Ring	**NBR (nitrilic rubber)**
Output connection	**DIN 43650 Connector - B**
Enclosure rating	**IP66**
Electrical contact	**Reed Switch with Internal Resistor 10R**

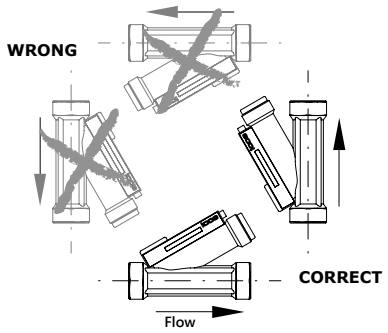
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc*	10W	0.5A	1A @20ms

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

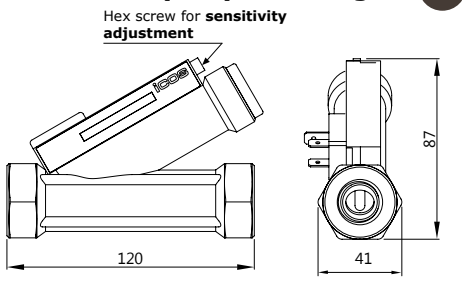
• Typical connection to contactor



Mounting (Important!)



Dimensions (mm) and Weight 280g



Notes

[1] In water. Set point accuracy: ±15%.
Repeatability (not considered the viscosity change of liquids): ± 10%.

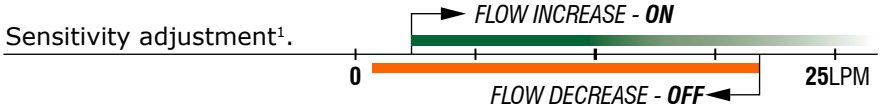
[2] For application in oil, also recommended model **FH12B04**.

FC34B02

Material
PPA - Polyphthalamide

How it works A fluid flow through the sensor causes precise displacement of magnetic piston and closes an electrical contact (reed switch).

Details
- On/Off output; NO (SPST) working;
- Detects increased or decreased flow;
- Sensitivity adjustment[1].



Typical applications
- Lubrification and cooling systems monitoring;
- Pipe fluid flow monitoring.

Liquids
- Clean water, oils, lubricants and filtered fuels[2].

Liquids with magnetic particles *will cause deposition / magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.*

Liquids with encrustation particles and/or solids *require tests.*

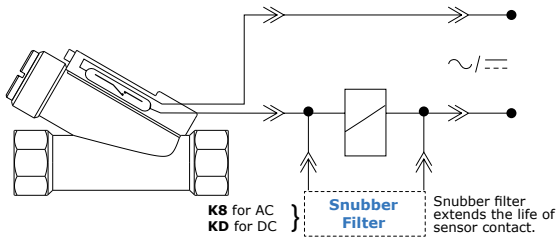
Technical specifications

Internal clearance	**266mm²**
Maximum operating pressure	**10bar**
Operating temperature range	**0°C to 100°C | 140°C @1h**
Inlet/outlet port	**G 3/4” female - 416 stainless steel**
Spring	**AISI 302 stainless steel**
O’Ring	**NBR (nitrilic rubber)**
Output connection	**DIN 43650 Connector - B**
Enclosure rating	**IP66**
Electrical contact	**Reed Switch with Internal Resistor 10R**

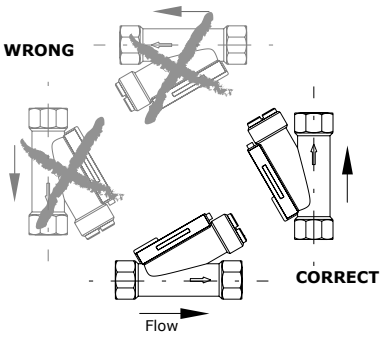
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc*	10W	0.5A	1A @20ms

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

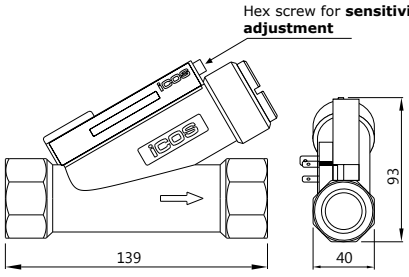
• Typical connection to contactor



Mounting (Important!)



Dimensions (mm) and Weight 450g



Notes

[1] In water. Set point accuracy: ±15%.
Repeatability (not considered the viscosity change of liquids): ± 10%.

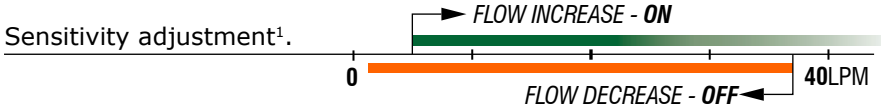
[2] For application in oil, recommended model **FC34B04**.

FC34B04

Material
PPA - Polyphthalamide

How it works A fluid flow through the sensor causes precise displacement of magnetic piston and closes an electrical contact (reed switch).

Details
- On/Off output; NO (SPST) working;
- Detects increased or decreased flow;
- Sensitivity adjustment[1].



Typical applications
- Lubrification and cooling systems monitoring;
- Pipe fluid flow monitoring.

Liquids
- Clean water, oils, lubricants and filtered fuels.

Liquids with magnetic particles *will cause deposition / magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.*

Liquids with encrustation particles and/or solids *require tests.*

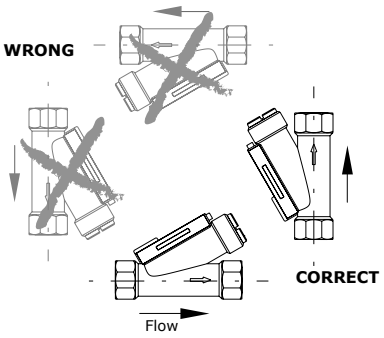
Technical specifications

Internal clearance	**266mm²**
Maximum operating pressure	**10bar**
Operating temperature range	**0°C to 100°C | 140°C @1h**
Inlet/outlet port	**G 3/4” female - 416 stainless steel**
Spring	**AISI 302 stainless steel**
O’Ring	**NBR (nitrilic rubber)**
Output connection	**DIN 43650 Connector - B**
Enclosure rating	**IP66**
Electrical contact	**Reed Switch with Internal Resistor 10R**

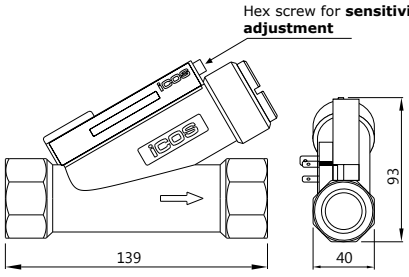
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc*	10W	0.5A	1A @20ms

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

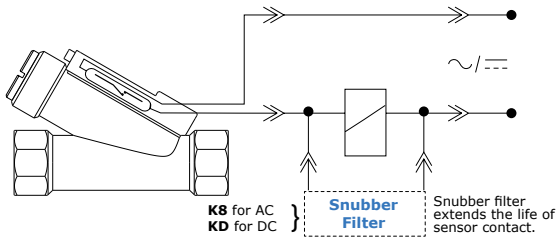
Mounting (Important!)



Dimensions (mm) and Weight 450g



- **Typical connection to contactor**



Notes

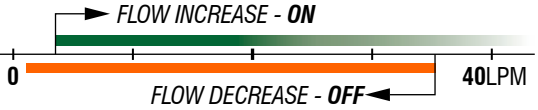
[1] In water. Set point accuracy: ±15%.
Repeatability (not considered the viscosity change of liquids): ± 10%.

FC10B02

Material
PPA - Polyphthalamide

How it works A fluid flow through the sensor causes precise displacement of magnetic piston and closes an electrical contact (reed switch).

Details
- On/Off output; NO (SPST) working;
- Detects increased or decreased flow;
- Sensitivity adjustment[1].



Typical applications
- Lubrification and cooling systems monitoring;
- Pipe fluid flow monitoring.

Liquids
- Clean water, oils, lubricants and filtered fuels[2].

Liquids with magnetic particles *will cause deposition / magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.*

Liquids with encrustation particles and/or solids *require tests.*

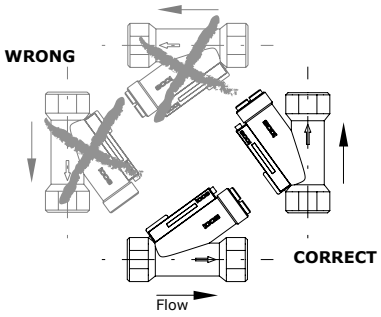
Technical specifications

Internal clearance	**380mm²**
Maximum operating pressure	**10bar**
Operating temperature range	**0°C to 100°C | 140°C @1h**
Inlet/outlet port	**G 1” female - Brass**
Spring	**AISI 302 stainless steel**
O’Ring	**NBR (nitrilic rubber)**
Output connection	**DIN 43650 Connector - B**
Enclosure rating	**IP66**
Electrical contact	**Reed Switch with Internal Resistor 10R**

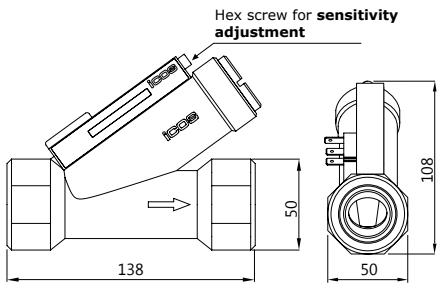
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc*	10W	0.5A	1A @20ms

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

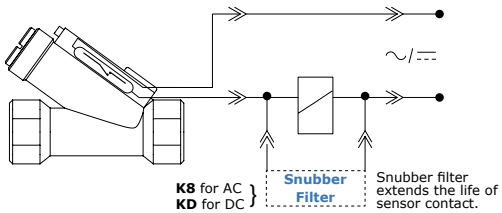
Mounting (Important!)



Dimensions (mm) and Weight 495g



- **Typical connection to contactor**



Notes

[1] In water. Set point accuracy: ±15%.
Repeatability (not considered the viscosity change of liquids): ± 10%.

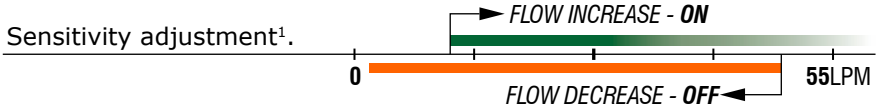
[2] For application in oil, recommended model **FC10B04**.

FC10B04

Material
PPA - Polyphthalamide

How it works A fluid flow through the sensor causes precise displacement of magnetic piston and closes an electrical contact (reed switch).

Details
- On/Off output; NO (SPST) working;
- Detects increased or decreased flow;
- Sensitivity adjustment[1].



Typical applications
- Lubrification and cooling systems monitoring;
- Pipe fluid flow monitoring.

Liquids
- Clean water, oils, lubricants and filtered fuels.

Liquids with magnetic particles *will cause deposition / magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.*

Liquids with encrustation particles and/or solids *require tests.*

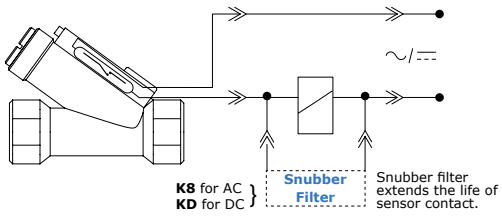
Technical specifications

Internal clearance	**380mm²**
Maximum operating pressure	**10bar**
Operating temperature range	**0°C to 100°C | 140°C @1h**
Inlet/outlet port	**G 1” female - Brass**
Spring	**AISI 302 stainless steel**
O’Ring	**NBR (nitrilic rubber)**
Output connection	**DIN 43650 Connector - B**
Enclosure rating	**IP66**
Electrical contact	**Reed Switch with Internal Resistor 10R**

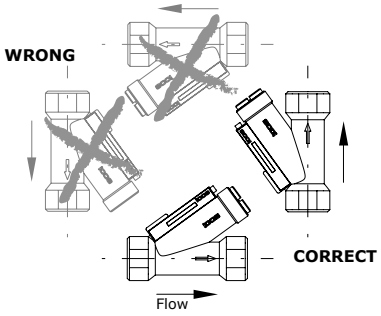
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc*	10W	0.5A	1A @20ms

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

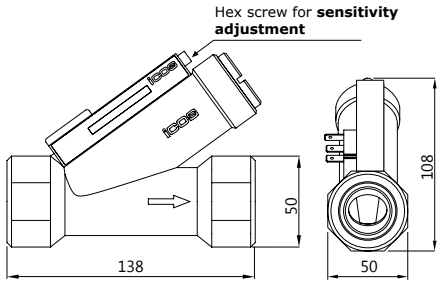
• Typical connection to contactor



Mounting (Important!)



Dimensions (mm) and Weight 495g



Notes

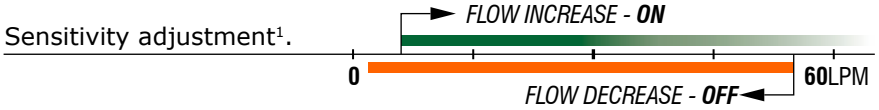
[1] In water. Set point accuracy: ±15%.
Repeatability (not considered the viscosity change of liquids): ± 10%.

FJ112B02

Material
PPA - Polyphthalamide

How it works A fluid flow through the sensor causes precise displacement of magnetic piston and closes an electrical contact (reed switch).

Details
- On/Off output; NO (SPST) working;
- Detects increased or decreased flow;
- Sensitivity adjustment[1].



Typical applications
- Lubrification and cooling systems monitoring;
- Pipe fluid flow monitoring.

Liquids
- Clean water, oils, lubricants and filtered fuels[2].

Liquids with magnetic particles *will cause deposition / magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.*

Liquids with encrustation particles and/or solids *require tests.*

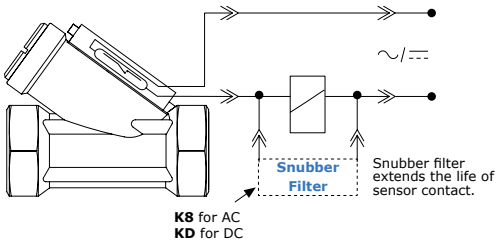
Technical specifications

Internal clearance	**680mm²**
Maximum operating pressure	**10bar**
Operating temperature range	**0°C to 100°C | 140°C @1h**
Inlet/outlet port	**G 1½" female - 304 stainless steel**
Spring	**AISI 302 stainless steel**
O'Ring	**NBR (nitrilic rubber)[3]**
Output connection	**DIN 43650 Connector - B**
Enclosure rating	**IP66**
Electrical contact	**Reed Switch with Internal Resistor 10R**

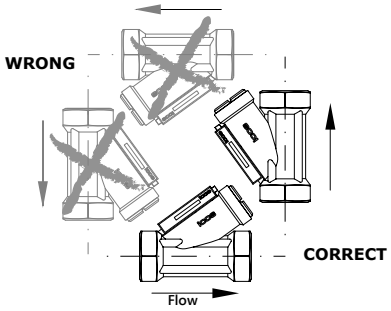
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc*	10W	0.5A	1A @20ms

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

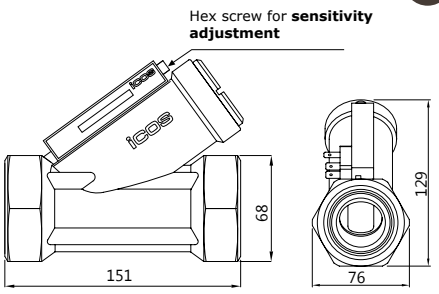
Typical connection to contactor



Mounting (Important!)



Dimensions (mm) and Weight 760g



Notes

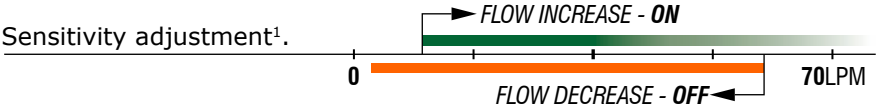
[1] In water. Set point accuracy: ±15%.
Repeatability (not considered the viscosity change of liquids): ± 10%.
[2] For application in oil, recommended model **FJ112B04**.
[3] Not included with the product.

FJ112B04

Material
PPA - Polyphthalamide

How it works A fluid flow through the sensor causes precise displacement of magnetic piston and closes an electrical contact (reed switch).

Details
- On/Off output; NO (SPST) working;
- Detects increased or decreased flow;
- Sensitivity adjustment[1].



Typical applications
- Lubrification and cooling systems monitoring;
- Pipe fluid flow monitoring.

Liquids
- Clean water, oils, lubricants and filtered fuels.

Liquids with magnetic particles *will cause deposition / magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.*

Liquids with encrustation particles and/or solids *require tests.*

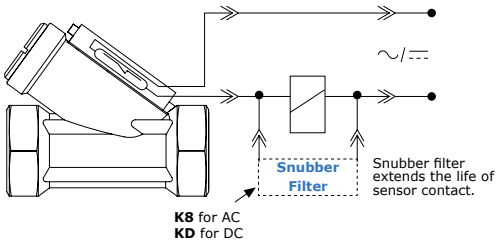
Technical specifications

Internal clearance	**680mm²**
Maximum operating pressure	**10bar**
Operating temperature range	**0°C to 100°C | 140°C @1h**
Inlet/outlet port	**G 1½” female - 304 stainless steel**
Spring	**AISI 302 stainless steel**
O’Ring	**NBR (nitrilic rubber)²**
Output connection	**DIN 43650 Connector - B**
Enclosure rating	**IP66**
Electrical contact	**Reed Switch with Internal Resistor 10R**

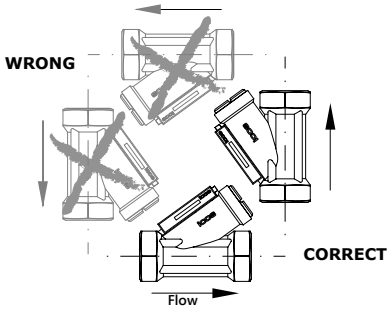
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc*	10W	0.5A	1A @20ms

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

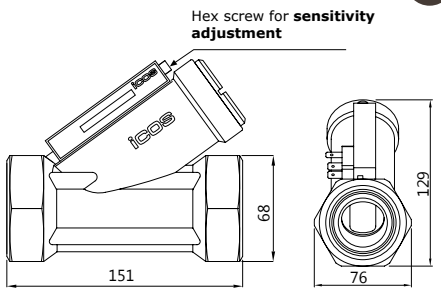
• Typical connection to contactor



Mounting (Important!)



Dimensions (mm) and Weight 760g



Notes

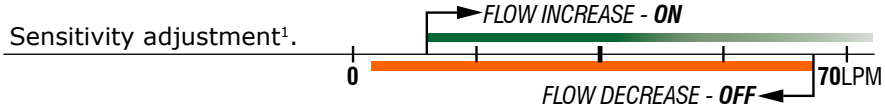
[1] In water. Set point accuracy: ±15%.
Repeatability (not considered the viscosity change of liquids): ± 10%.
[2] Not included with the product.

FG20B02

Material
316 Stainless Steel
(PPA piston)

How it works A fluid flow through the sensor causes precise displacement of magnetic piston and closes an electrical contact (reed switch).

Details
- On/Off output; NO (SPST) working;
- Detects increased or decreased flow;
- Sensitivity adjustment[1].



Typical applications
- Lubrification and cooling systems monitoring;
- Pipe fluid flow monitoring.

Liquids
- Clean water, oils, lubricants and filtered fuels[2].

Liquids with magnetic particles *will cause deposition / magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.*

Liquids with encrustation particles and/or solids *require tests.*

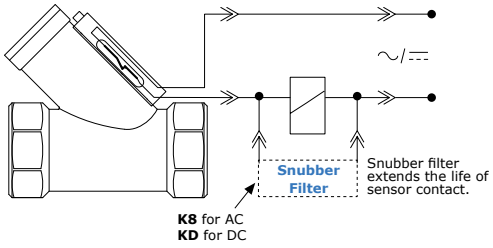
Technical specifications

Internal clearance	**1000mm²**
Maximum operating pressure	**10bar**
Operating temperature range	**0°C to 100°C | 140°C @1h**
Inlet/outlet port	**G 2” female**
Spring	**AISI 302 stainless steel**
O’Ring	**NBR (nitrilic rubber)[3]**
Output connection	**DIN 43650 Connector - B**
Enclosure rating	**IP66**
Electrical contact	**Reed Switch with Internal Resistor 10R**

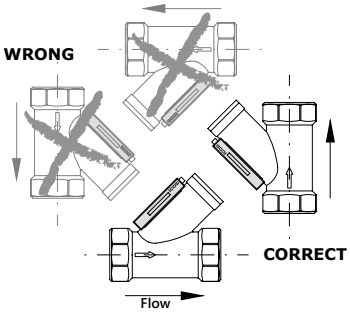
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc*	10W	0.5A	1A @20ms

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

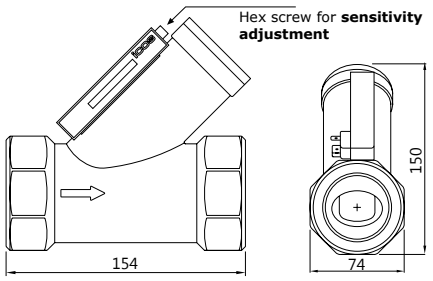
• Typical connection to contactor



Mounting (Important!)



Dimensions (mm) and Weight 2.8kg



Notes

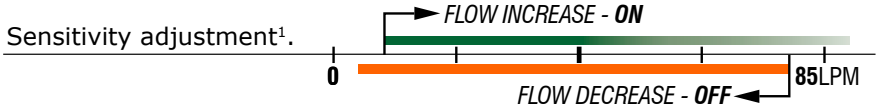
[1] In water. Set point accuracy: ±15%.
Repeatability (not considered the viscosity change of liquids): ± 10%.
[2] For application in oil, recommended model **FG20B04**.
[3] Not included with the product.

FG20B04

Material
316 Stainless Steel
(PPA piston)

How it works A fluid flow through the sensor causes precise displacement of magnetic piston and closes an electrical contact (reed switch).

Details
- On/Off output; NO (SPST) working;
- Detects increased or decreased flow;
- Sensitivity adjustment[1].



Typical applications
- Lubrification and cooling systems monitoring;
- Pipe fluid flow monitoring.

Liquids
- Clean water, oils, lubricants and filtered fuels.

Liquids with magnetic particles *will cause deposition / magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.*

Liquids with encrustation particles and/or solids *require tests.*

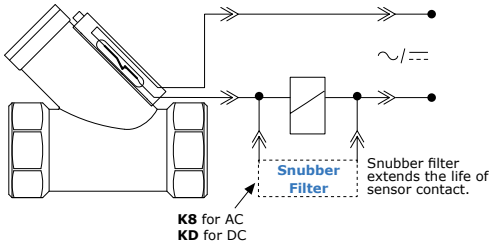
Technical specifications

Internal clearance	**1000mm²**
Maximum operating pressure	**10bar**
Operating temperature range	**0°C to 100°C | 140°C @1h**
Inlet/outlet port	**G 2” female**
Spring	**AISI 302 stainless steel**
O’Ring	**NBR (nitrilic rubber)[2]**
Output connection	**DIN 43650 Connector - B**
Enclosure rating	**IP66**
Electrical contact	**Reed Switch with Internal Resistor 10R**

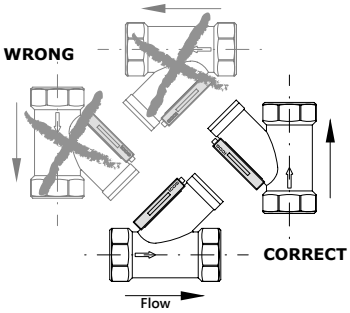
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc*	10W	0.5A	1A @20ms

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

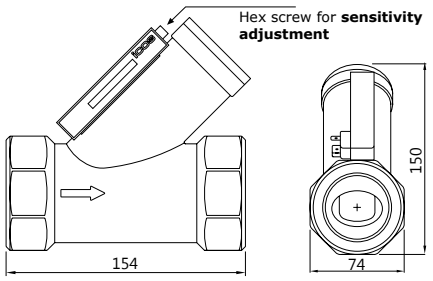
• Typical connection to contactor



Mounting (Important!)



Dimensions (mm) and Weight 2.8kg



Notes

[1] In water. Set point accuracy: ±15%.
Repeatability (not considered the viscosity change of liquids): ± 10%.
[2] Not included with the product.