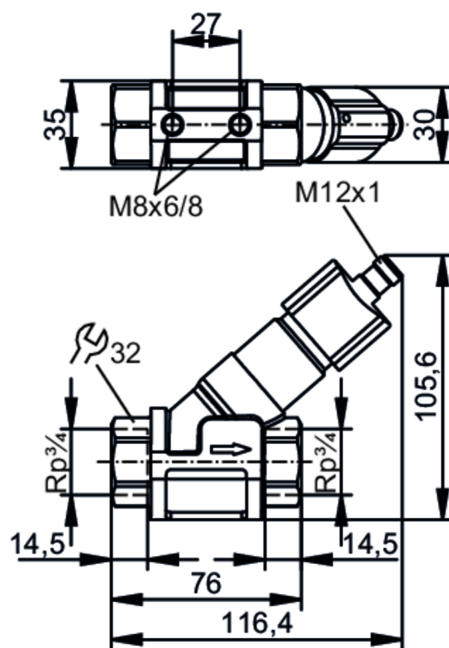


Flow transmitter with integrated backflow prevention

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Please note the changed housing design!



Product characteristics

| | | |
|--------------------|---------|--------|
| Measuring range | [l/min] | 1...25 |
| Process connection | | Rp 3/4 |

Application

| | | |
|--------------------|-------|--|
| Media | | Liquids; water; glycol solutions; coolants |
| Medium temperature | [°C] | -10...100 |
| Pressure rating | [bar] | 40 |
| Pressure rating | [MPa] | 4 |

Electrical data

| | | |
|-----------------------------|------|----------------------------|
| Operating voltage | [V] | 18...32 DC; (to SELV/PELV) |
| Current consumption | [mA] | < 35 |
| Protection class | | III |
| Reverse polarity protection | | yes |

Outputs

| Output signal | | analogue signal |
|--------------------------|------|-----------------|
| Analogue current output | [mA] | 4...20 |
| Max. load | [Ω] | 500 |
| Short-circuit protection | | yes |
| Overload protection | | yes |


Measuring/setting range

| | | |
|-----------------|---------|--------|
| Measuring range | [l/min] | 1...25 |
|-----------------|---------|--------|



Flow transmitter with integrated backflow prevention

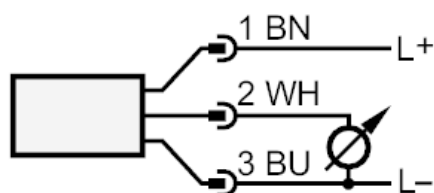
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| Accuracy / deviations | | |
|---|---|--------------------|
| Repeatability [% of the final value] | | 1 |
| Measuring error [% of the final value] | | ± 5 |
| Response times | | |
| Response time [s] | | < 0.01 |
| Operating conditions | | |
| Ambient temperature [°C] | | 0...60 |
| Storage temperature [°C] | | -15...80 |
| Protection | | IP 65; IP 67 |
| Tests / approvals | | |
| EMC | DIN EN 61000-6-2 | |
| | DIN EN 61000-6-3 | |
| Shock resistance | DIN EN 60068-2-27 | 20 g (11 ms) |
| Vibration resistance | DIN EN 60068-2-6 | 5 g (10...2000 Hz) |
| MTTF [years] | | 778 |
| Mechanical data | | |
| Weight [g] | | 556.65 |
| Materials | brass chemically nickel-plated; PP; stainless steel (316L/1.4404); aluminium anodised; PA | |
| Materials (wetted parts) | stainless steel (316 / 1.4401); brass; brass chemically nickel-plated; PP; PPS; O-ring: FKM | |
| Process connection | | Rp 3/4 |
| Switching cycles mechanical | | 10 million |
| Remarks | | |
| Remarks | Recommendation Use 200 micron filtration | |
| | All data refer to water (20 °C). | |
| Notes | Please note the changed housing design! | |
| Pack quantity | | 1 pcs. |
| Electrical connection | | |
| Connector: 1 x M12; coding: A | | |
|  | | |

Flow transmitter with integrated backflow prevention

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Connection



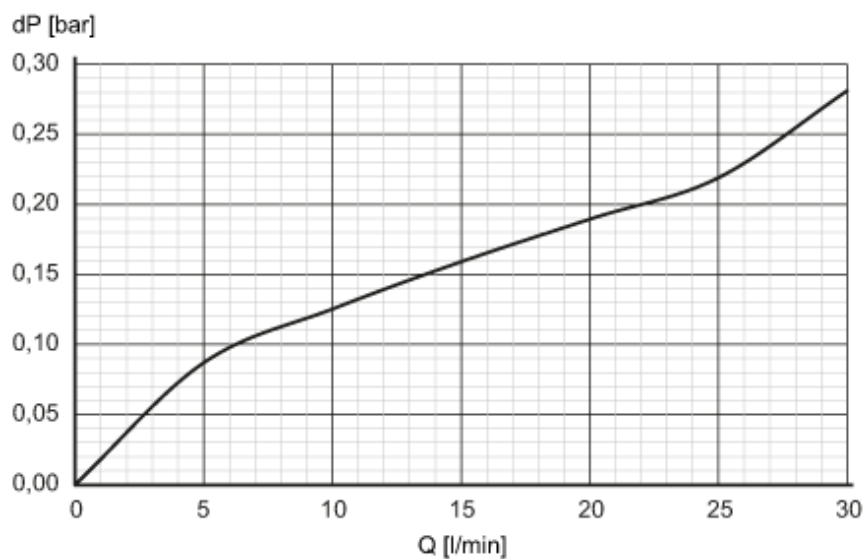
colours to DIN EN 60947-5-2

Core colours :

BN = brown
BU = blue
WH = white

Diagrams and graphs

Pressure loss



dP Pressure loss

Q volumetric flow quantity