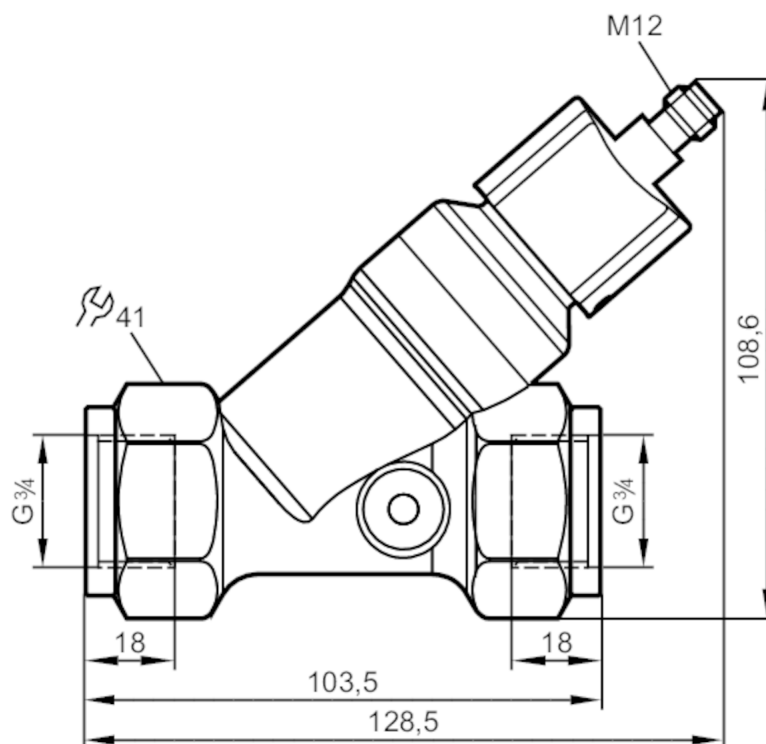


SBG446



Flow transmitter with integrated backflow prevention

SBG34HF010KG/US



Application

Media	Liquids; water; glycol solutions; oils; coolants	
Medium temperature	[°C]	-10...100
Pressure rating	[bar]	25

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]	4...100
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Accuracy / deviations

Repeatability		1
	[% of the final value]	
Measuring error		± 5

SBG446



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[% of the final value]

Response times

Response time	[s]	< 0.01
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Operating conditions

Ambient temperature	[°C]	0...60
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Storage temperature	[°C]	-15...80
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Protection	IP 65; IP 67
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Tests / approvals

EMC	DIN EN 61000-6-2	
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	DIN EN 61000-6-3	
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Shock resistance	DIN EN 60068-2-27	20 g (11 ms)
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Vibration resistance	DIN EN 60068-2-6	5 g (10...2000 Hz)
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Mechanical data

Weight	[g]	776.6
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Materials	brass chemically nickel-plated; PP; stainless steel (1.4404 / 316L); aluminium anodised; PA
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Materials (wetted parts)	stainless steel (1.4401 / 316); brass; brass chemically nickel-plated; PP; PPS; O-ring: FKM
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Process connection	G 3/4
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Switching cycles mechanical	10 million
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Remarks

Remarks	Recommendation Use 200 micron filtration
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	All data refer to water (20 °C).
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Pack quantity	1 pcs.
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Electrical connection

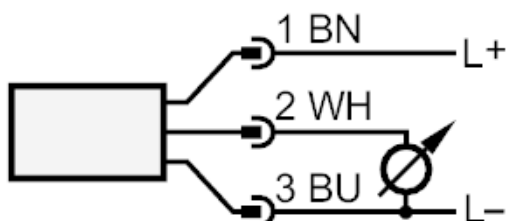
Connector: 1 x M12



Flow transmitter with integrated backflow prevention

SBG34HF010KG/US

Connection



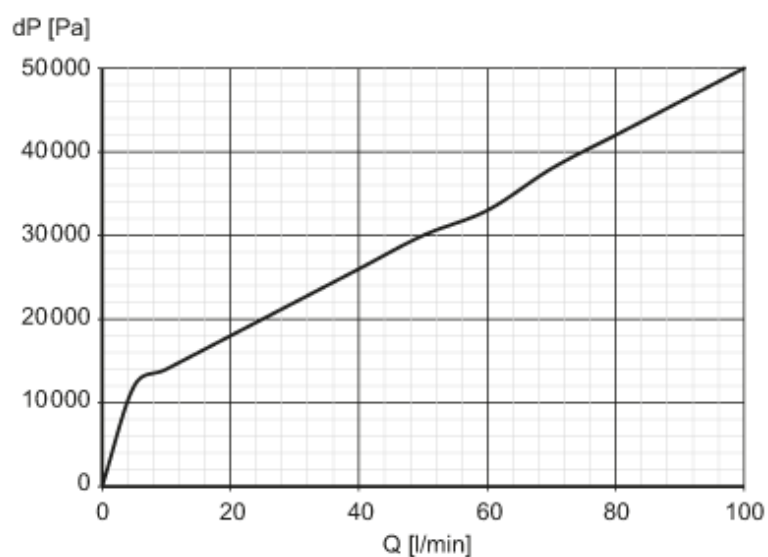
colours to DIN EN 60947-5-2

Core colours :

BN = brown
BU = blue
WH = white

Diagrams and graphs

Pressure loss



dP Pressure loss

Q volumetric flow quantity