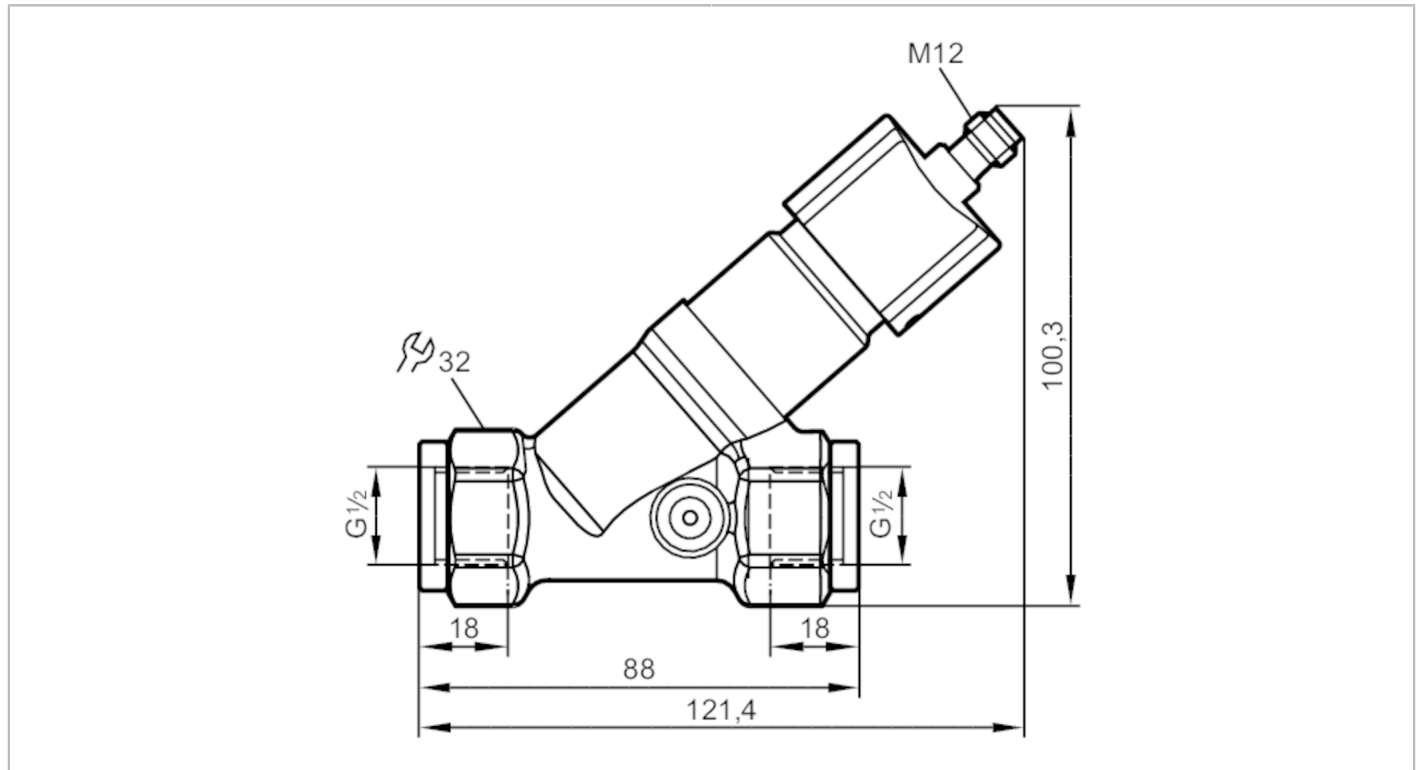


# SBG434



## Flow transmitter with integrated backflow prevention

SBG12HF010KG/US



Product characteristics		
Measuring range	[l/min]	2...50
Process connection		threaded connection G 1/2
Application		
Media		Liquids; water; glycol solutions; oils; coolants
Medium temperature	[°C]	-10...100
Pressure rating	[bar]	40
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]	2...50
Accuracy / deviations		
Repeatability		1

# SBG434



## Flow transmitter with integrated backflow prevention

SBG12HF010KG/US

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

<b>Response times</b>		
Response time	[s]	< 0.01

<b>Operating conditions</b>		
Ambient temperature	[°C]	0...60
Storage temperature	[°C]	-15...80
Protection		IP 65; IP 67

<b>Tests / approvals</b>		
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)

<b>Mechanical data</b>		
Weight	[g]	544
Materials		brass chemically nickel-plated; PP; stainless steel (1.4404 / 316L); aluminium anodised; PA
Materials (wetted parts)		stainless steel (1.4401 / 316); brass; brass chemically nickel-plated; PP; PPS; O-ring: FKM
Process connection		threaded connection G 1/2
Switching cycles mechanical		10 million

<b>Remarks</b>		
Remarks		Recommendation Use 200 micron filtration All data refer to water (20 °C).
Pack quantity		1 pcs.

### Electrical connection

Connector: 1 x M12



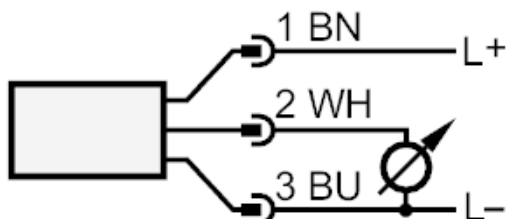
# SBG434



## Flow transmitter with integrated backflow prevention

SBG12HF010KG/US

### Connection



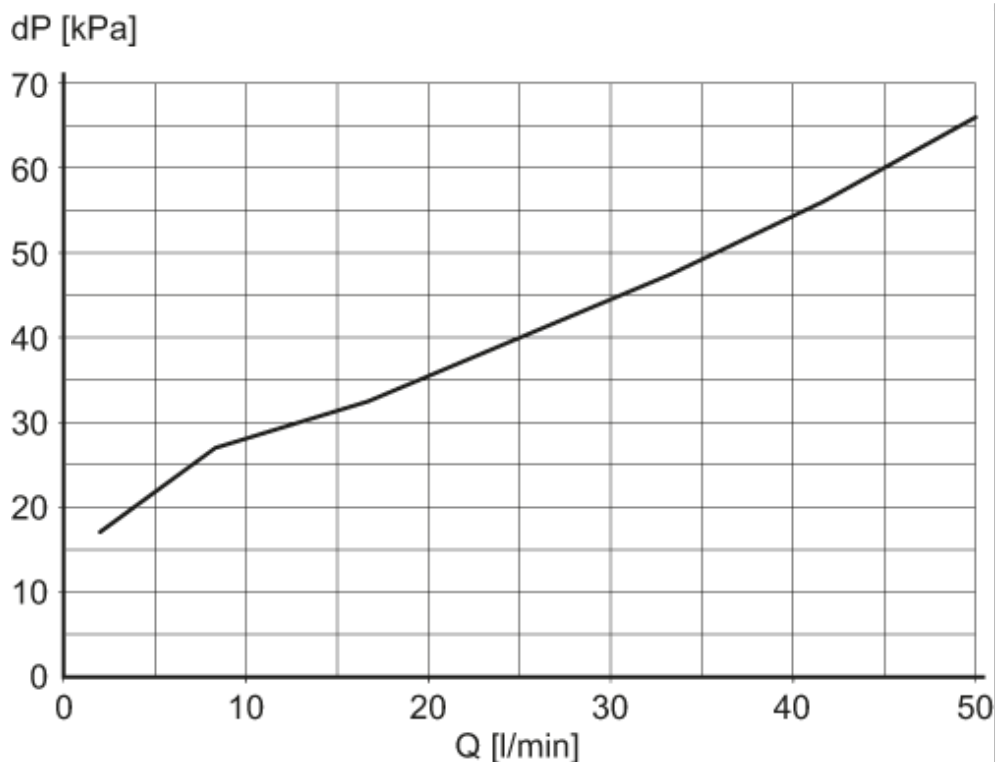
colours to DIN EN 60947-5-2

Core colours :

- BN = brown
- BU = blue
- WH = white

### Diagrams and graphs

Pressure loss



dP Pressure loss

Q volumetric flow quantity