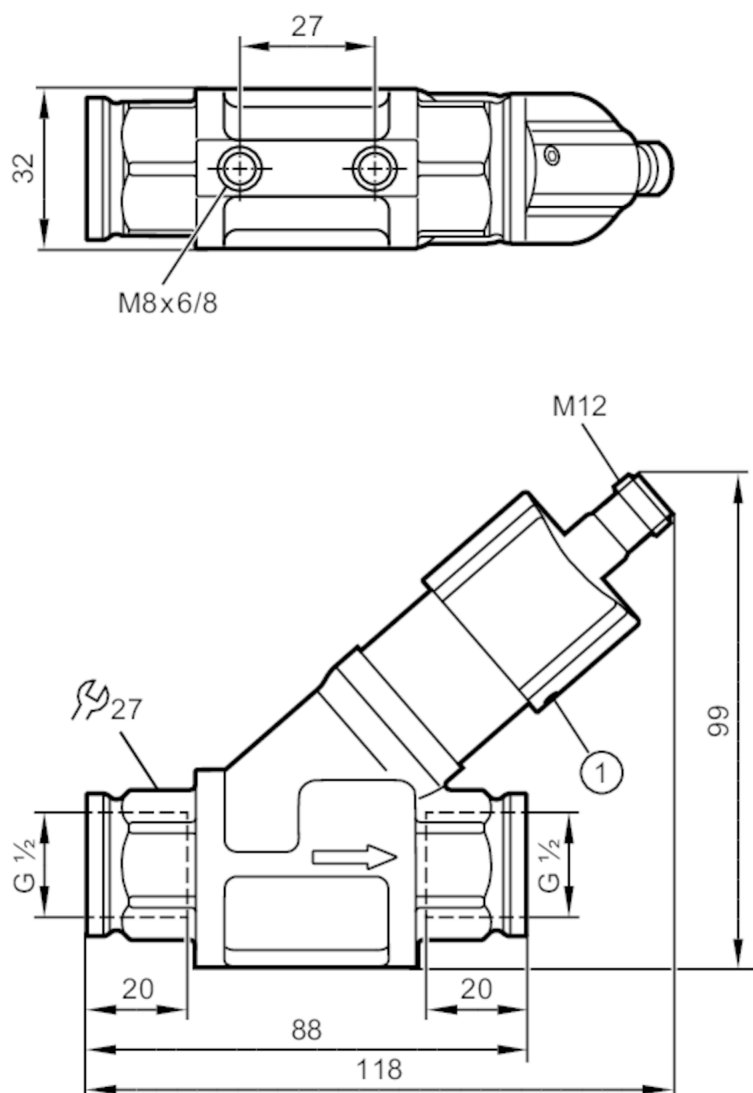


## Flow transmitter with integrated backflow prevention

SBG12HF010KG/US

Please note the changed housing design!



1 socket head screw



### Product characteristics

Measuring range	[l/min]	2...50
Process connection		threaded connection G 1/2

### 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



## Flow transmitter with integrated backflow prevention

SBG12HF010KG/US

Protection class	III
Reverse polarity protection	yes
<b>Outputs</b>	
Output signal	analogue signal
Analogue current output [mA]	4...20
Max. load [ $\Omega$ ]	500
Short-circuit protection	yes
Overload protection	yes
<b>Measuring/setting range</b>	
Measuring range [l/min]	2...50
<b>Accuracy / deviations</b>	
Repeatability [% of the final value]	1
Measuring error [% of the final value]	$\pm 5$
<b>Response times</b>	
Response time [s]	< 0.01
<b>Operating conditions</b>	
Ambient temperature [ $^{\circ}\text{C}$ ]	0...60
Storage temperature [ $^{\circ}\text{C}$ ]	-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
Vibration resistance	DIN EN 60068-2-6
MTTF [years]	778
<b>Mechanical data</b>	
Weight [g]	544
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	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 $^{\circ}\text{C}$ ).
Notes	Please note the changed housing design!
Pack quantity	1 pcs.

## Flow transmitter with integrated backflow prevention

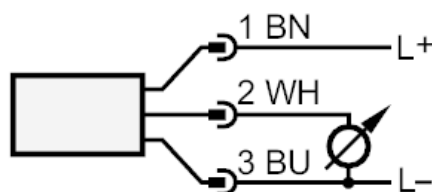
SBG12HF010KG/US

### Electrical connection

Connector: 1 x M12; coding: A



### Connection



colours to DIN EN 60947-5-2

Core colours :

BN = brown  
BU = blue  
WH = white

# SBG434

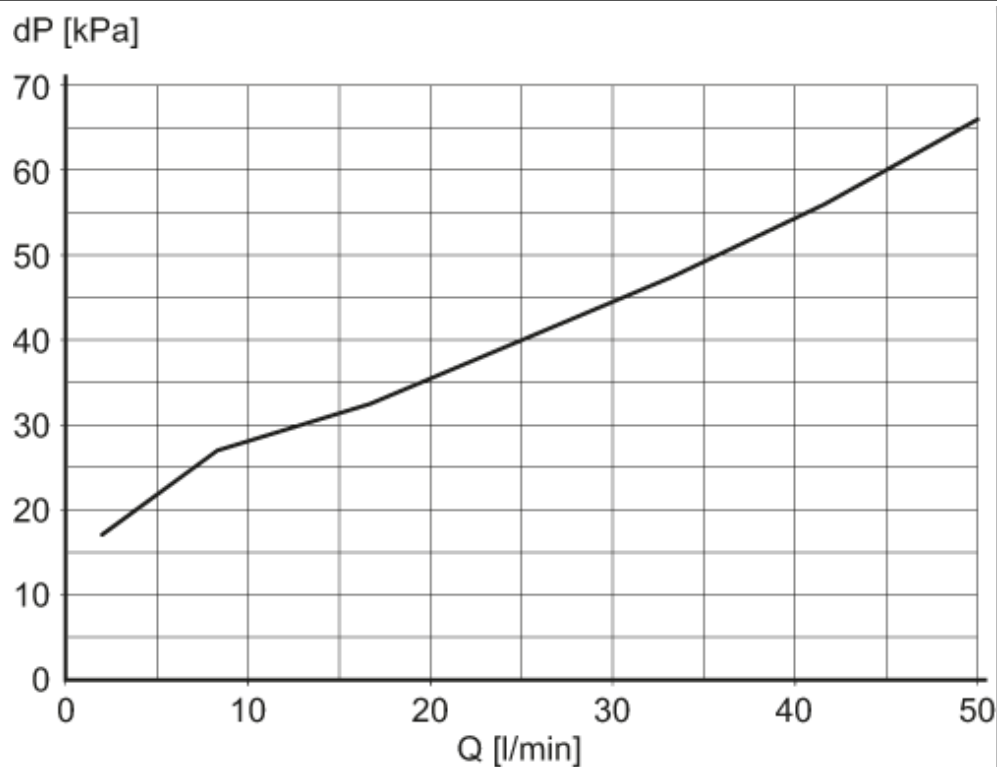


## Flow transmitter with integrated backflow prevention

SBG12HF010KG/US

### Diagrams and graphs

Pressure loss



dP Pressure loss

Q volumetric flow quantity