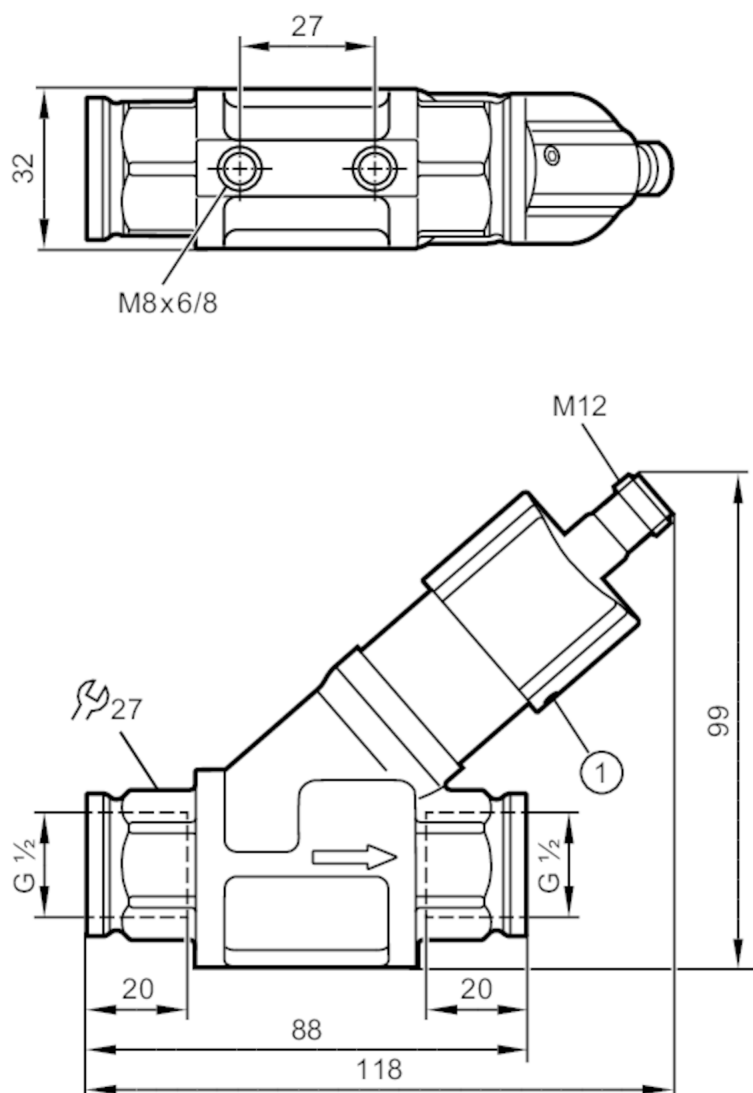


Flow transmitter with integrated backflow prevention

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 internal thread DN15

Application

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

Electrical data

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



Flow transmitter with integrated backflow prevention

SBG12HF010KG/US

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
	[% of the final value]	
Measuring error		± 5
	[% of the final value]	
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]	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 internal thread DN15	
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.	



Flow transmitter with integrated backflow prevention

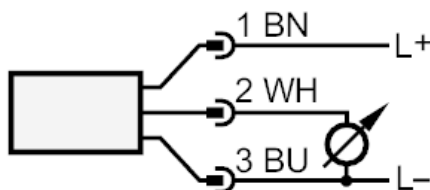
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Electrical connection

Connector: 1 x M12; coding: A



Connection



colours to DIN EN 60947-5-2

Core colours :

BN = brown
BU = blue
WH = white

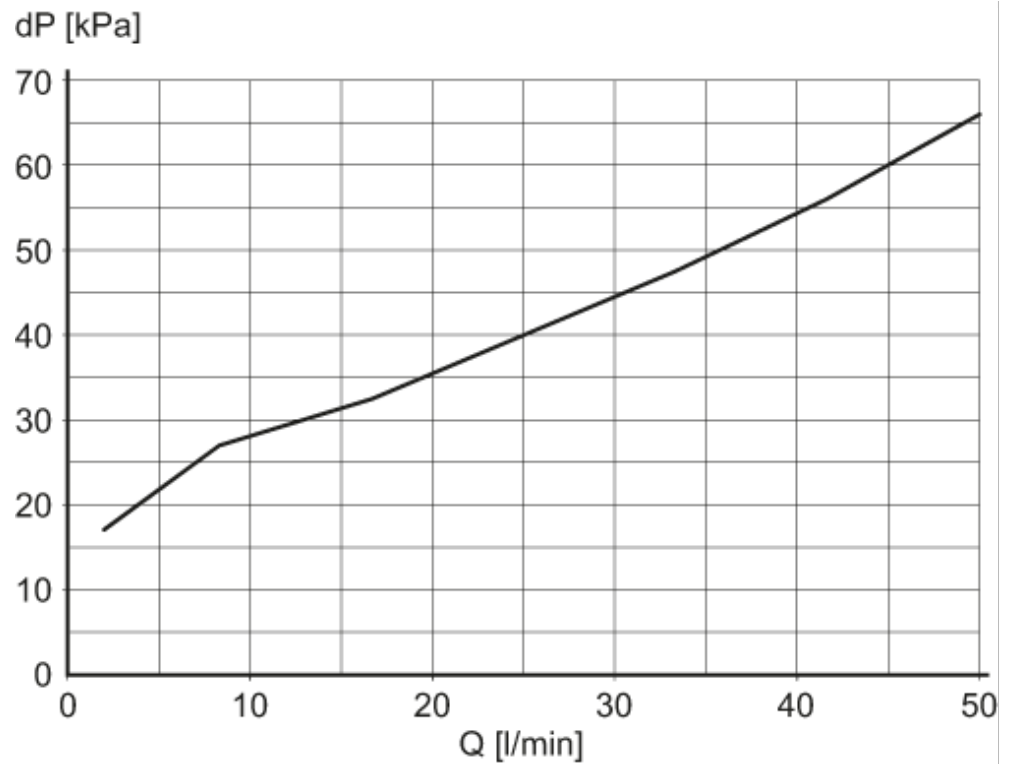


Flow transmitter with integrated backflow prevention

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Diagrams and graphs

Pressure loss



dP Pressure loss

Q volumetric flow quantity