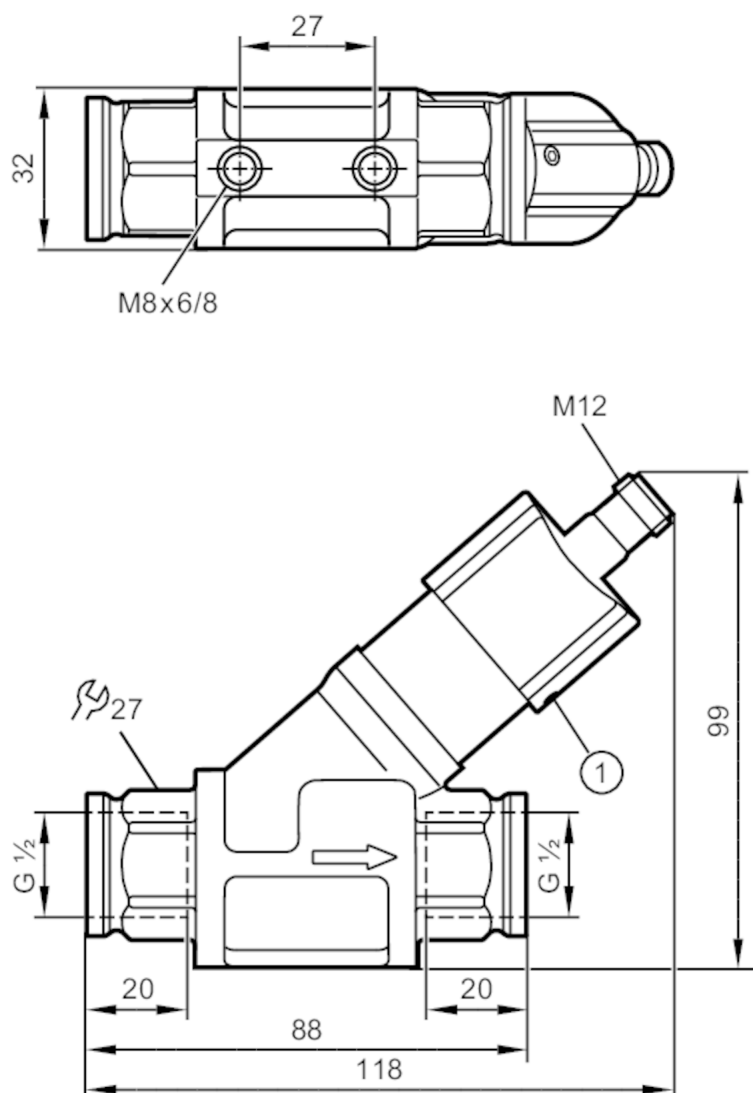


Flow transmitter with integrated backflow prevention

SBG12HF010KG/US

Please note the changed housing design!



1 socket head screw



Product characteristics

Measuring range	[l/min]	1...25
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
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
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 [$^{\circ}\text{C}$]	0...60
Storage temperature [$^{\circ}\text{C}$]	-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
Vibration resistance	DIN EN 60068-2-6
MTTF [years]	778
Mechanical data	
Weight [g]	545
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
Remarks	
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

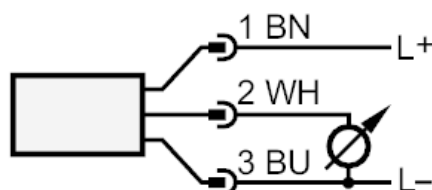
SBG12HF010KG/US

Electrical connection

Connector: 1 x M12; coding: A

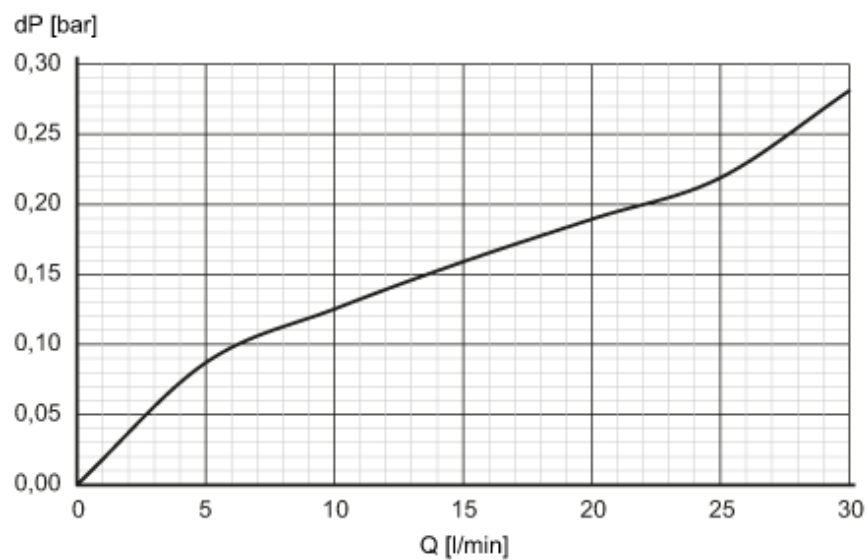


Connection



Diagrams and graphs

Pressure loss



dP Pressure loss

Q volumetric flow quantity