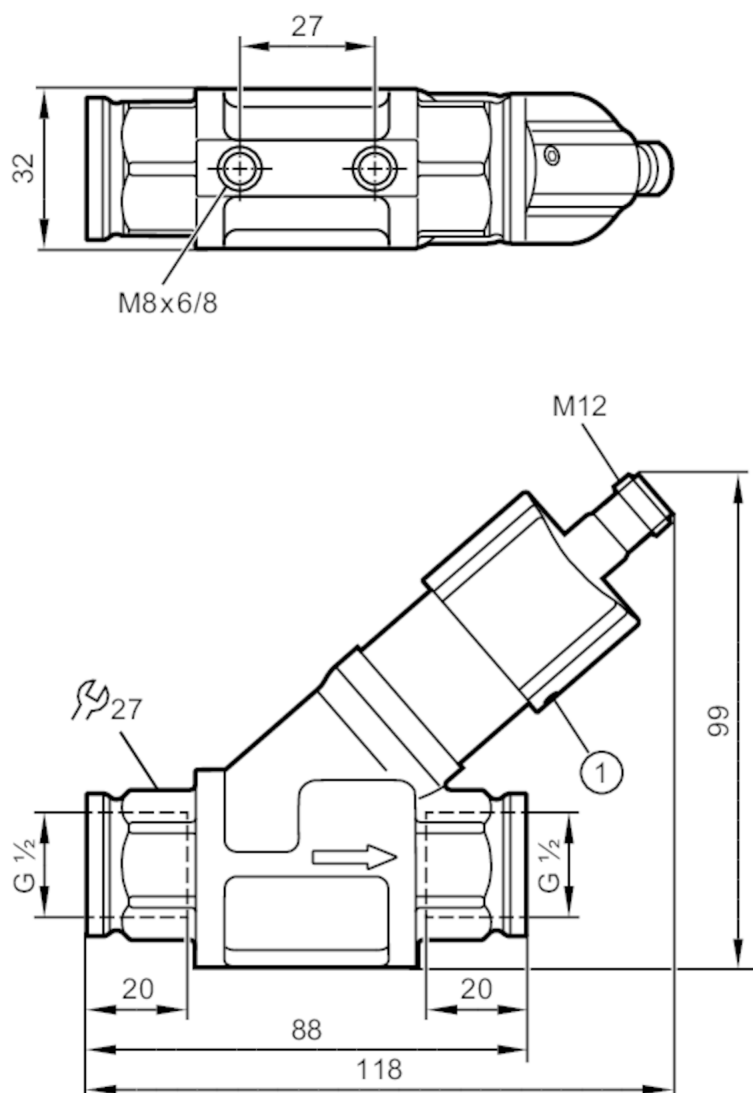


Flow transmitter with integrated backflow prevention

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 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]	1...25
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]	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 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

SBG12HF010KG/US

Electrical connection

Connector: 1 x M12; coding: A

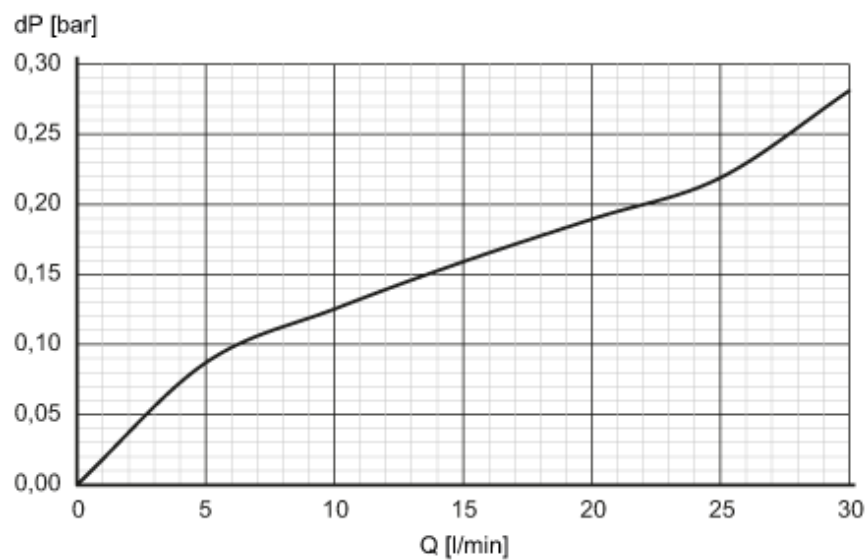


Connection



Diagrams and graphs

Pressure loss



dP Pressure loss

Q volumetric flow quantity