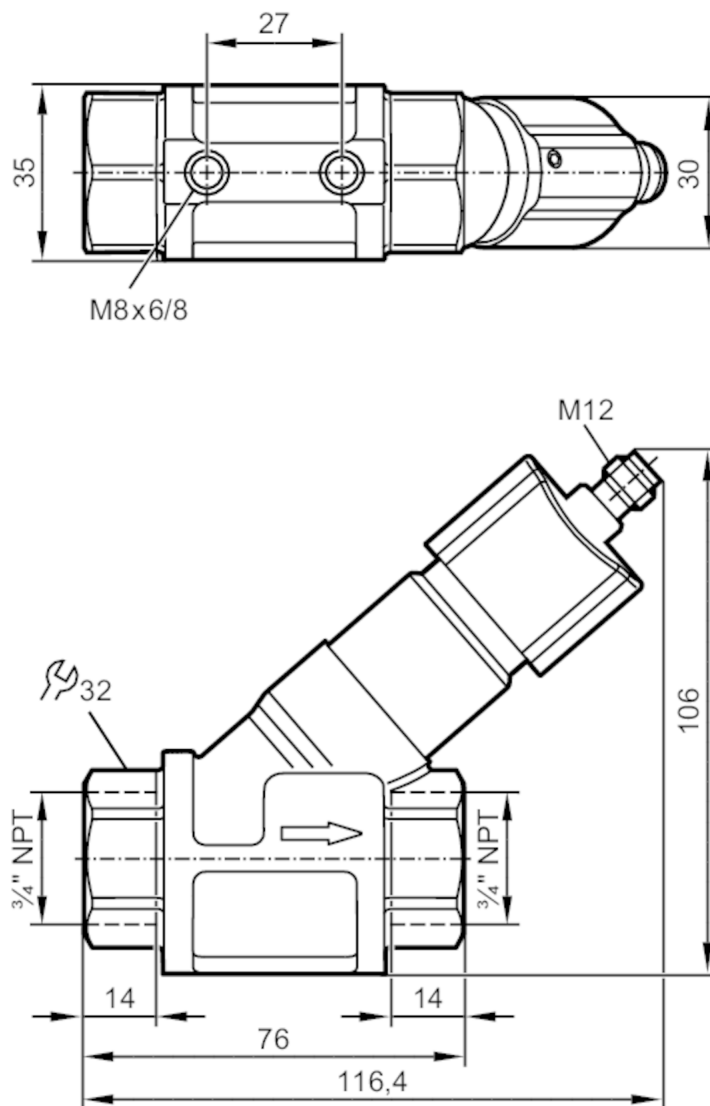


Flow transmitter with integrated backflow prevention

SBN34HF010KG/US

Please note the changed housing design!



Product characteristics

Measuring range	[gpm]	0.2...10
Process connection		3/4" NPT

Application

Media	Liquids; water; glycol solutions; coolants	
Medium temperature	[°F]	14...212
Pressure rating	[bar]	40
Pressure rating	[MPa]	4

Electrical data

Operating voltage	[V]	18...32 DC; (to SELV/PELV)
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Flow transmitter with integrated backflow prevention

SBN34HF010KG/US

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	[gpm]	0.2...10
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	[°F]	32...140
Storage temperature	[°F]	5...176
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]	468.05
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		3/4" NPT
Switching cycles mechanical		10 million
Remarks		
Remarks		Recommendation Use 200 micron filtration
		All data refer to water (68 °F).
Notes		Please note the changed housing design!
Pack quantity		1 pcs.

Flow transmitter with integrated backflow prevention

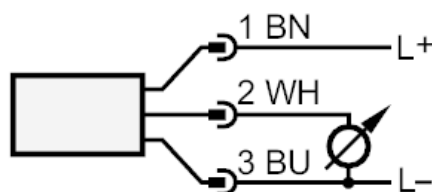
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Electrical connection

Connector: 1 x M12; coding: A



Connection



colours to DIN EN 60947-5-2

Core colours :

BN = brown
BU = blue
WH = white

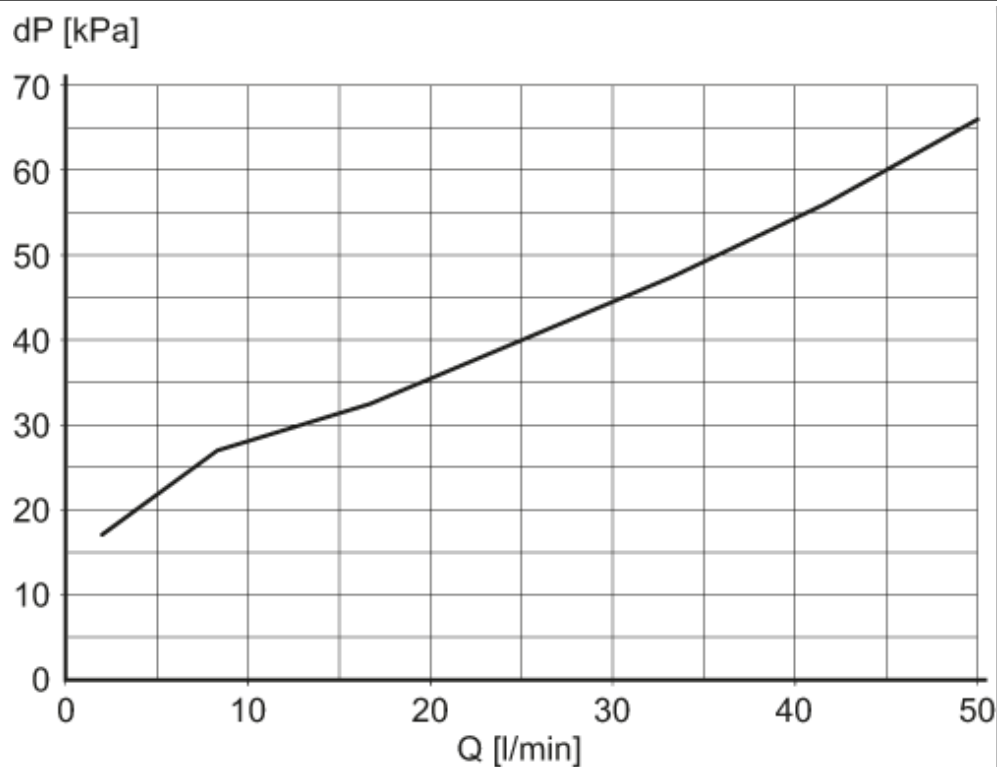


Flow transmitter with integrated backflow prevention

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Diagrams and graphs

Pressure loss



dP Pressure loss

Q volumetric flow quantity