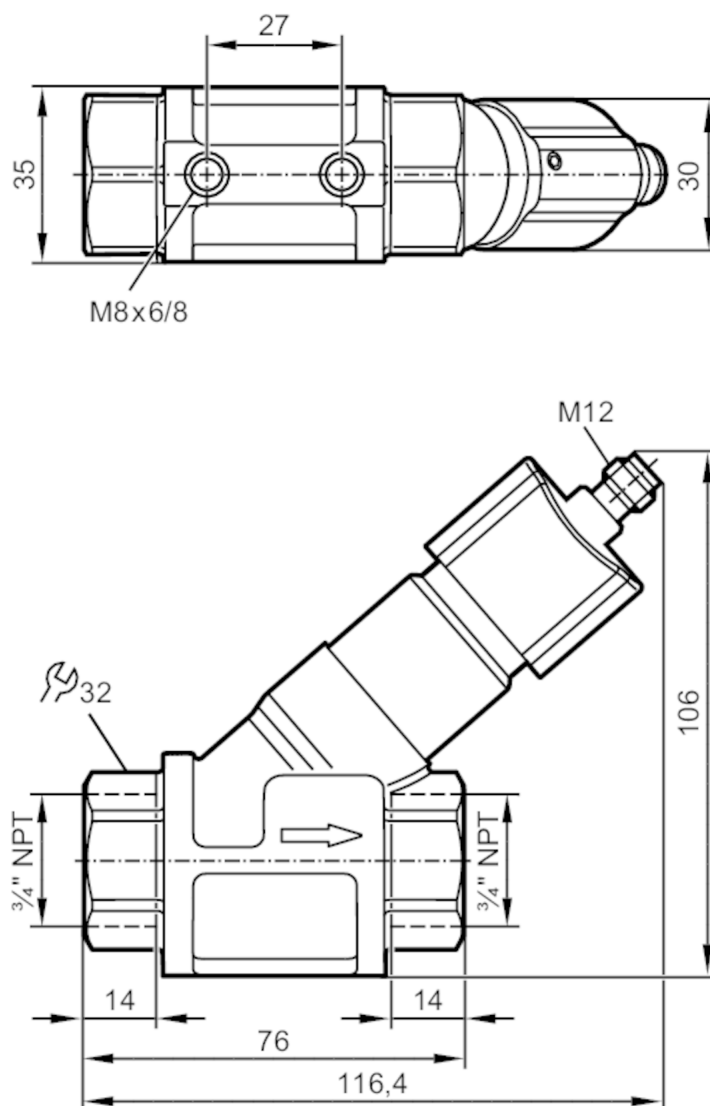


## Flow transmitter with integrated backflow prevention

SBN34HF010KG/US

Please note the changed housing design!



## Product characteristics

Measuring range	[gpm]	0.2...4
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
<b>Outputs</b>		
Output signal		analogue signal
Analogue current output	[mA]	4...20
Max. load	[Ω]	500
Short-circuit protection		yes
Overload protection		yes
<b>Measuring/setting range</b>		
Measuring range	[gpm]	0.2...4
<b>Accuracy / deviations</b>		
Repeatability	[X16]	1
Measuring error	[X16]	± 5
<b>Response times</b>		
Response time	[s]	< 0.01
<b>Operating conditions</b>		
Ambient temperature	[°F]	32...140
Storage temperature	[°F]	5...176
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	20 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	5 g (10...2000 Hz)
MTTF	[ANN]	778
<b>Mechanical data</b>		
Weight	[g]	480.05
Materials		brass chemically nickel-plated; PP; stainless steel (1.4404 / 316L); 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
<b>Remarks</b>		
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

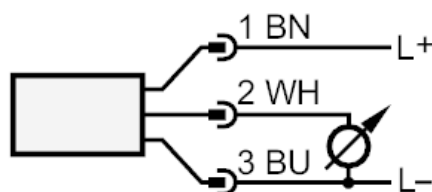
SBN34HF010KG/US

### Electrical connection

Connector: 1 x M12; coding: A



### Connection



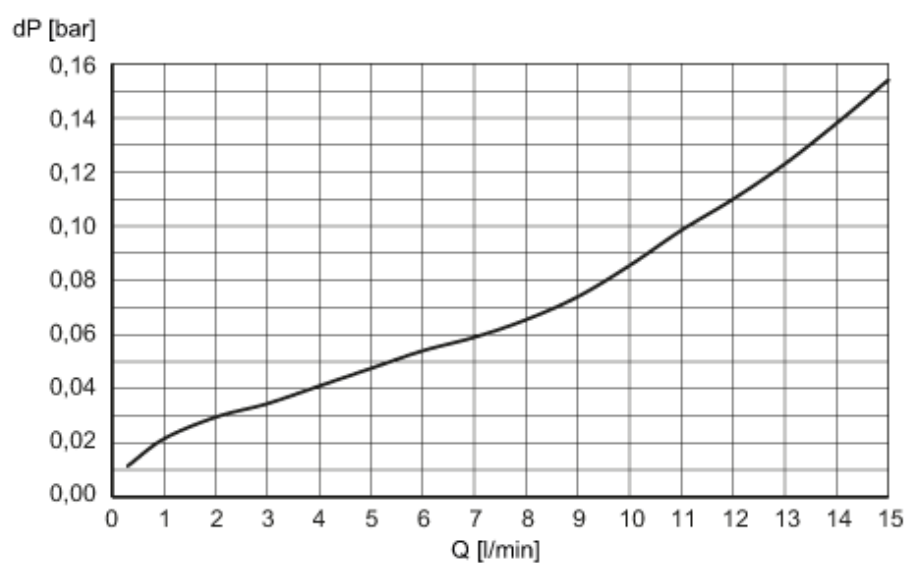
colours to DIN EN 60947-5-2

Core colours :

BN = brown  
BU = blue  
WH = white

### Diagrams and graphs

Pressure loss



dP Pressure loss

Q volumetric flow quantity