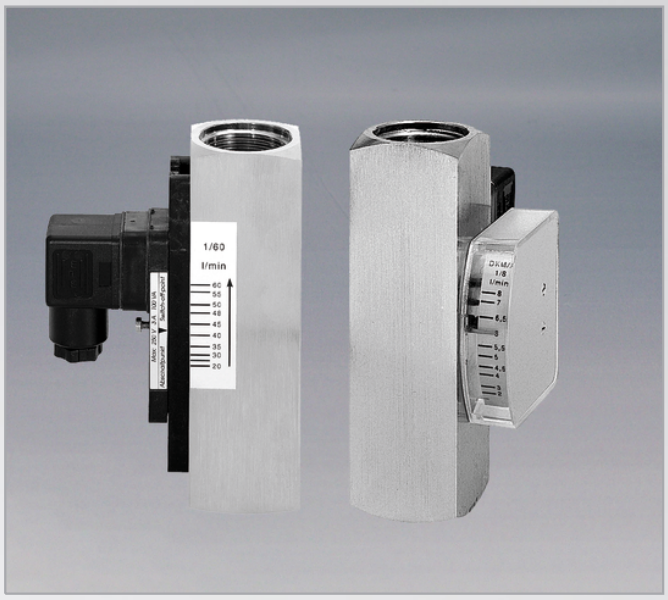
Flow Switches

BFS-30-N / BFS-30-O

**for liquids from 30 up to 600 cSt,
with or without optical display**



Features

viscosity compensated from 30 up to 600 cSt,
set point continuously adjustable,
rugged, low hysteresis, any mounting position,
high accuracy and functional safety,
optional with pointer-indicating instrument,
ship approvals available for N-versions

Measuring ranges

0.5...1.5 l/min to 35...110 l/min
for liquids from 30 up to 600 cSt.

Applications

Measuring and monitoring of liquids, e. g. in cooling or hydraulic systems, test beds, pumps etc.

Technical Data

BFS-30-N (without indication)				
Measuring principle:	variable aera flow meter			
Materials: Flow meter: Spring: Fitting: Housing:	brass version brass 1.4571 brass, nickel-plated brass, nickel-plated		stainless steel vers. 1.4571 1.4571 1.4571 1.4571	
Operating pressure: BFS-30-N, N E: BFS-30-L:	brass 250 bar 300 bar	brass GL 100 bar 100 bar	VA 300 bar 350 bar	Press.drop 0,02...0,4 bar 0,02...0,2 bar
Operating temp.:	120 °C (standard), 160 °C (option HT)			
Accuracy:	±10% f. s.			
Electrical connection:	plug acc. to DIN EN 175301-803 (former DIN 43650C)			
Contact rating: **BFS-30-L** **BFS-30-N, N E**	 230 V / 3 A / 60 VA 250 V / 1,5 A / 50 VA 250 V / 3 A / 100 VA 250 V / 1,5 A / 50 VA		 (NO) (SPDT) (NO) (SPDT)	
Protection class:	IP65 (plug acc. to DIN EN 175301-803 - former DIN 43650C) IP67 (with moulded cable)			
Approvals:	e.g. GL, BV,...see www.mod-tronic.com			

Technical Data

BFS-30-O (with optical indication)			
Measuring principle:	variable aera flow meter		
Materials: Flow meter: Spring: Fitting: Housing: Display Housing:	brass version brass 1.4571 brass, nickel-plated brass, nickel-plated Makrolon	stainless steel vers. 1.4571 1.4571 1.4571 1.4571 Makrolon	
Operating pressure: BFS-30-O, O E:	brass 250 bar	VA 300 bar	Press. drop 0,02...0,4 bar
Operating temp.:	120 °C (standard), 160 °C (option HT)		
Accuracy:	±10% f. s.		
Electrical connection:	plug acc. to DIN EN 175301-803 (former DIN 43650C)		
Contact rating: **BFS-30-O, O E**	 250 V / 3 A / 100 VA 250 V / 1,5 A / 50 VA	 (NO) (SPDT)	
Protection class:	IP65 (plug acc. to DIN EN 175301-803 - former DIN 43650C) IP67 (with moulded cable)		
Approvals:	see www.mod-tronic.com		

Switch ranges

versions	in l/min	Process connections
BFS-30-L:	0,5…1,6	G1/2
	0,8…3,0 / 2,0…7,0	
BFS-30-N:	0,5...1,5 / 1,0...4,0	G1
	2,0...8,0 / 3,0...10	
	5,0...15 / 8,0...24	
	10...30 / 15...45	
	20...60 / 30...90	
	35...110	
BFS-30-N E:	1,0...20 / 4,0...40	
	5,0...50 / 8,0...60	
	12...70 / 15...80	

Switch ranges

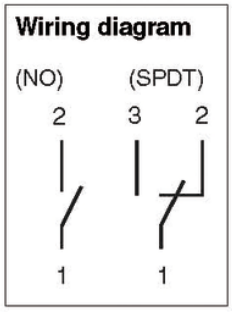
versions	in l/min	Process connection
BFS-30-O:	0,5...1,5 / 1,0...4,0	G1
	2,0...8,0 / 3,0...10 5,0...15 / 8,0...24	
	10...30 / 15...45 20...60 / 30...90	
	35...110	
BFS-30-O E:	1,0...20 / 4,0...40	G1
	5,0...50 / 8,0...60	
	12...70 / 15...80	

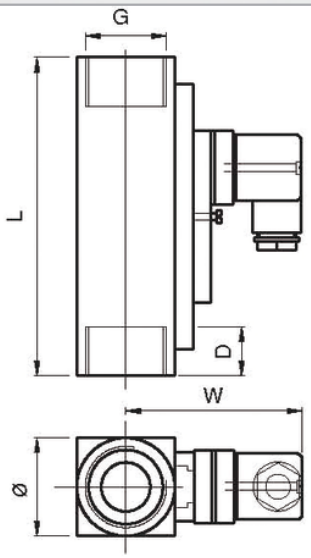
Flow Switches

BFS-30-N / BFS-30-O

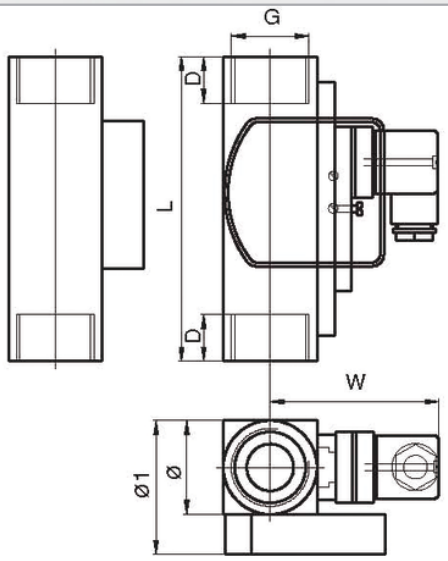
Dimensions (mm / *inch*)

BFS-30-N / L





BFS-30-O



(G)	G 1/4	G 1/2	G 3/4	G 1	1/2" (BFS-30-L)
(hex)	34	34	34	40	27
(Ø)	40	40	40	40	31
(W)	76	76	76	76	52
(D)	21	21	21	17	14
(L)	152	152	152	130	90
Weight (g)	1500	1425	1340	1160	350

(G)	G 1/4	G 1/2	G 3/4	G 1
(hex)	34	34	34	40
(Ø)	40	40	40	40
(W)	76	76	76	76
(D1)	57	57	57	57
(L)	152	152	152	130
Weight (g)	1590	1515	1430	1250

Order Code

Brass	Description	Stainless Steel	Description
0713-266.X	BFS-30-L-G1/2-MS-NO-ST	0713-269.X	BFS-30-L-G1/2-SS-NO-ST
0713-267.X	BFS-30-N-G1-MS-NO-ST	0713-270.X	BFS-30-N-G1-SS-NO-ST
0713-268.X	BFS-30-NE-G1-MS-NO-ST	0713-271.X	BFS-30-NE-G1-SS-NO-ST
0713-272.X	BFS-30-O-G1-MS-NO-ST	0713-274.X	BFS-30-O-G1-SS-NO-ST
0713-273.X	BFS-30-OE-G1-MS-NO-ST	0713-275.X	BFS-30-OE-G1-SS-NO-ST
0713-348.X	BFS-30-L-G1/2-MS-WE-ST	0713-351.X	BFS-30-L-G1/2-SS-WE-ST
0713-349.X	BFS-30-N-G1-MS-WE-ST	0713-352.X	BFS-30-N-G1-SS-WE-ST
0713-350.X	BFS-30-NE-G1-MS-WE-ST	0713-353.X	BFS-30-NE-G1-SS-WE-ST
0713-354.X	BFS-30-O-G1-MS-WE-ST	0713-356.X	BFS-30-O-G1-SS-WE-ST
0713-355.X	BFS-30-OE-G1-MS-WE-ST	0713-357.X	BFS-30-OE-G1-SS-WE-ST
Adapter			
Brass	Process connection	Stainless Steel	Process connection
0799-026	1"...1/4"	0799-029	1"...1/4"
0799-027	1"...1/2"	0799-030	1"...1/2"
0799-028	1"...3/4"	0799-031	1"...3/4"
Order number example: Order number + switching range = 0713-266.X, 0,8...3,0 l/min Note: ATEX versions not available.			

Description

NO = normally open	NE = without indication, enlarged meas. range	MS = brass	**Please specify switching range (see table on page previous) additional to order number.**
WE = change-over	OE = with indication enlarged meas. range	SS = stainless steel	
	L = without indication, low cost		
	O = with indication		
	N = without indication		

Subject to technical changes.