

8.1 Series IBF to 5880 PSI

Description

The ITABAR-sensor series IBF is designed to measure the volumetric flow of liquids and gases. The sensor flange is threaded to a pipe mount welding boss, which makes the use in max 5880 psi applications possible. The maximum pressure is a function of the flange rating.

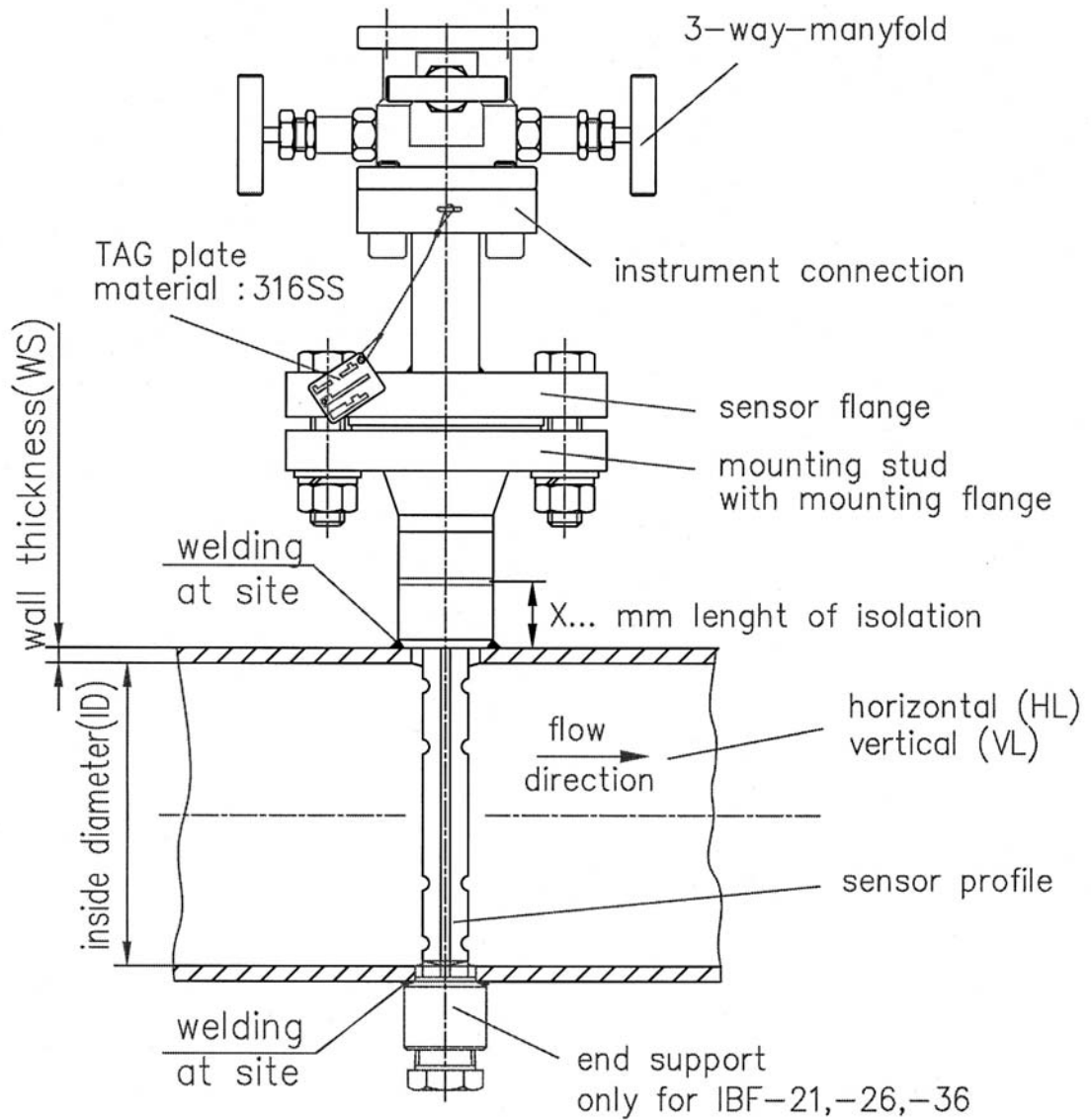
The standard sensor material is 316 SS; the following materials are optional alternatives: 1.4462 (Duplex), 1.4539, Hastelloy C4, Incoloy 800, Inconel, Monel.



Fig.: 7.2: DP sensor IBF-25 for a pipe with ID 146,3 mm. The DP transmitter is remotely mounted and is connected to the sensor through Ermeto- pipe

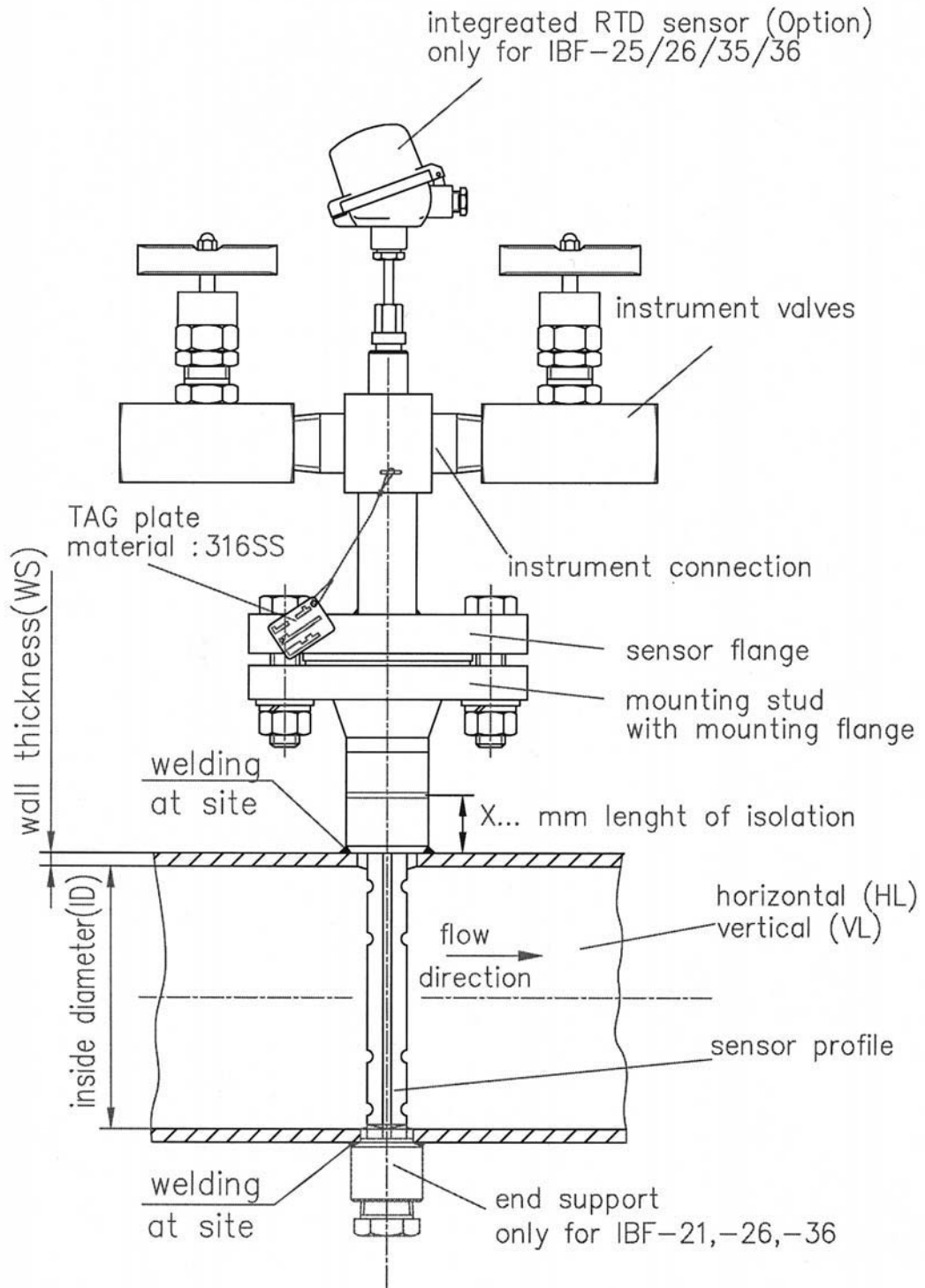
Drawing for ITABAR Series IBF

compact version electr. d.p. transmitter mounted on to the flow sensor (only with A06)



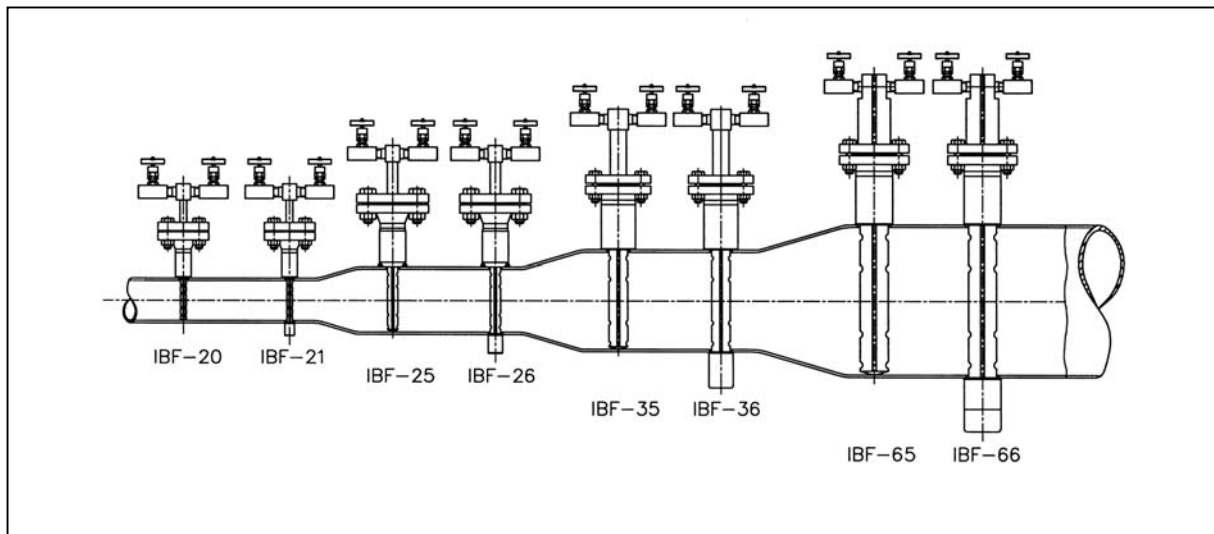
Drawing for ITABAR Series IBF

seperate installation of sensor and transmitter



Order Data for ITABAR Series IBF 20/21/25/26/35/36/65/66

1. Sensor Types



Pipe Size Inches mm		Maximal zulässiger Volumendurchfluss GPM							
		Sensor Type							
		IBF - 20	IBF - 21	IBF - 25	IBF - 26	IBF - 35	IBF - 36	IBF - 65	IBF - 66
1 ½	DN 40	126	501	---	---	---	---	---	---
2	DN 50	260	708	---	---	---	---	---	---
2 ¼	DN 65	420	1069	---	---	---	---	---	---
2 ½	DN 80	572	1443	---	---	---	---	---	---
4	DN 100	787	1936	902	2398	---	---	---	---
5	DN 125	1047	2512	1240	3168	---	---	---	---
6	DN 150	---	---	1579	3938	---	---	---	---
8	DN 200	---	---	270	5473	---	---	---	---
10	DN 250	---	---	3027	7150	---	---	---	---
12	DN 300	---	---	3841	8962	7739	18519	12416	---
14	DN 350	---	---	4637	10718	9438	22321	15334	---
16	DN 400	---	---	5403	12416	11154	26175	18229	---
20	DN 500	---	---	7013	15976	14462	33528	23540	53891
24	DN 600	---	---	8588	19470	17850	41087	29928	68085
28	DN 700	---	---	10212	23069	21350	48923	36401	82482
32	DN 800	---	---	11897	26870	34965	56962	42578	95713
36	DN 900	---	---	---	30839	---	65155	---	107936
40	DN 1000	---	---	---	34896	---	73453	---	119746
48	DN 1200	---	---	---	43010	---	90090	---	144826
56	DN 1400	---	---	---	50965	---	107487	---	172585
64	DN 1600	---	---	---	58656	---	123292	---	202708
72	DN 1800	---	---	---	66255	---	139264	---	229204
80	DN 2000	---	---	---	---	---	155236	---	255503

These values are for water of 0.999 SGU and at a temperature T = 67 °F. To calculate volumetric or mass flow of fluids with other densities see chapter 6 „Specifications of DP Sensors with WINFLOW“.

1. Order specification ITABAR-FLOW-Sensor, series IBF-20/21

1. type of Sensor

20	without end support
21	with end support

2. inside diameter and wall thickness.

ID / W.-thickn. inside diameter and wall thickness in inches (or mm), please specify

3. sensor material

S	316 SS
X	1.4462 Duplex
K	1.4539
H	Hastelloy C4
Y	Incoloy 800
L	Inconel 600
M	Monel

4. sensor flange, always identically to sensor material.

SM	flange according DIN
SA	flange according ANSI

5. gasket

1	gasket strip according DIN
2	ANSI RF
3	ANSI RF SF (smooth finish)
4	RTJ

6. PN, material and DN of Sensor flange

			DIN	ANSI
A01	PN16 / 150 lbs	material: 316 SS	DN25	1"
A02	PN40 / 300 lbs	material: 316 SS	DN25	1"
A03	PN63 / 300 lbs	material: 316 SS	DN25	1"
A04	PN100 / 600 lbs	material: 316 SS	DN25	1"
A05	PN160 / 1500 lbs	material: 316 SS	DN25	1"
A06	PN250 / 1500 lbs	material: 316 SS	DN25	1"
A07	PN320 / 2500 lbs	material: 316 SS	DN25	1"
A08	PN400 / 2500 lbs	material: 316 SS	DN25	1"
A10	PN16 / 150 lbs	material: 1.4462 Duplex	DN25	1"
A11	PN40 / 300 lbs	material: 1.4462 Duplex	DN25	1"
A12	PN63 / 300 lbs	material: 1.4462 Duplex	DN25	1"
A13	PN100 / 600 lbs	material: 1.4462 Duplex	DN25	1"
A14	PN160 / 1500 lbs	material: 1.4462 Duplex	DN25	1"
A15	PN250 / 1500 lbs	material: 1.4462 Duplex	DN25	1"
A16	PN320 / 2500 lbs	material: 1.4462 Duplex	DN25	1"
A17	PN400 / 2500 lbs	material: 1.4462 Duplex	DN25	1"
A20	PN16 / 150 lbs	material: 1.4539	DN25	1"
A21	PN40 / 300 lbs	material: 1.4539	DN25	1"
A22	PN63 / 300 lbs	material: 1.4539	DN25	1"
A23	PN100 / 600 lbs	material: 1.4539	DN25	1"
A24	PN160 / 1500 lbs	material: 1.4539	DN25	1"
A25	PN250 / 1500 lbs	material: 1.4539	DN25	1"
A26	PN320 / 2500 lbs	material: 1.4539	DN25	1"
A27	PN400 / 2500 lbs	material: 1.4539	DN25	1"
A30	PN16 / 150 lbs	material: Hastelloy C4	DN25	1"
A31	PN40 / 300 lbs	material: Hastelloy C4	DN25	1"
A32	PN63 / 300 lbs	material: Hastelloy C4	DN25	1"
A33	PN100 / 600 lbs	material: Hastelloy C4	DN25	1"
A34	PN160 / 1500 lbs	material: Hastelloy C4	DN25	1"
A35	PN250 / 1500 lbs	material: Hastelloy C4	DN25	1"
A36	PN320 / 2500 lbs	material: Hastelloy C4	DN25	1"
A37	PN400 / 2500 lbs	material: Hastelloy C4	DN25	1"
A40	PN16 / 150 lbs	material: Incoloy 800	DN25	1"
A41	PN40 / 300 lbs	material: Incoloy 800	DN25	1"
A42	PN63 / 300 lbs	material: Incoloy 800	DN25	1"
A43	PN100 / 600 lbs	material: Incoloy 800	DN25	1"

1. Order specification ITABAR-FLOW-Sensor, series IBF-20/21

continued

6. PN, material and DN of Sensor flange			DIN	ANSI
A44	PN160 / 1500 lbs	material: Incoloy 800	DN25	1"
A45	PN250 / 1500 lbs	material: Incoloy 800	DN25	1"
A46	PN320 / 2500 lbs	material: Incoloy 800	DN25	1"
A47	PN400 / 2500 lbs	material: Incoloy 800	DN25	1"

A50	PN16 / 150 lbs	material: Inconel 600	DN25	1"
A51	PN40 / 300 lbs	material: Inconel 600	DN25	1"
A52	PN63 / 300 lbs	material: Inconel 600	DN25	1"
A53	PN100 / 600 lbs	material: Inconel 600	DN25	1"
A54	PN160 / 1500 lbs	material: Inconel 600	DN25	1"
A55	PN250 / 1500 lbs	material: Inconel 600	DN25	1"
A56	PN320 / 2500 lbs	material: Inconel 600	DN25	1"
A57	PN400 / 2500 lbs	material: Inconel 600	DN25	1"

A60	PN16 / 150 lbs	material: Monel	DN25	1"
A61	PN40 / 300 lbs	material: Monel	DN25	1"
A62	PN63 / 300 lbs	material: Monel	DN25	1"
A63	PN100 / 600 lbs	material: Monel	DN25	1"
A64	PN160 / 1500 lbs	material: Monel	DN25	1"
A65	PN250 / 1500 lbs	material: Monel	DN25	1"
A66	PN320 / 2500 lbs	material: Monel	DN25	1"
A67	PN400 / 2500 lbs	material: Monel	DN25	1"

7. design assembly connecting pieces

R	assembly connecting pieces with flange (standard)
W	Weldolet-assembly connecting pieces and flange

8. assembly connecting piece with flange, identically to sensor flange.

0	without flange
M	flange according DIN, gasket strip form C
A	flange according ANSI, gasket strip RF
F	flange according ANSI, gasket strip SF (smooth finish)
T	flange according ANSI, gasket strip RTJ

9. material connecting piece, with flange (max. pressure rating)

C1	C.S.	PN16 / 150 lbs	DN25	1"
S1	316 SS	PN16 / 150 lbs	DN25	1"
X1	Duplex	PN16 / 150 lbs	DN25	1"
K1	1.4539	PN16 / 150 lbs	DN25	1"
H1	Hastelloy C	PN16 / 150 lbs	DN25	1"
D1	Incoloy 800	PN16 / 150 lbs	DN25	1"
L1	Inconel 600	PN16 / 150 lbs	DN25	1"
M1	Monel	PN16 / 150 lbs	DN25	1"

C2	C.S.	PN40 / 300 lbs	DN25	1"
S2	316 SS	PN40 / 300 lbs	DN25	1"
X2	Duplex	PN40 / 300 lbs	DN25	1"
K2	1.4539	PN40 / 300 lbs	DN25	1"
H2	Hastelloy C	PN40 / 300 lbs	DN25	1"
D2	Incoloy 800	PN40 / 300 lbs	DN25	1"
L2	Inconel 600	PN40 / 300 lbs	DN25	1"
M2	Monel	PN40 / 300 lbs	DN25	1"

C3	C.S.	PN63 / 300 lbs	DN25	1"
S3	316 SS	PN63 / 300 lbs	DN25	1"
X3	Duplex	PN63 / 300 lbs	DN25	1"
K3	1.4539	PN63 / 300 lbs	DN25	1"
H3	Hastelloy C	PN63 / 300 lbs	DN25	1"
D3	Incoloy 800	PN63 / 300 lbs	DN25	1"

1. Order specification ITABAR-FLOW-Sensor, series IBF-20/21

9. material connecting piece, with flange (max. pressure rating)				
L3	Inconel 600	PN63 / 300 lbs	DN25	1"
M3	Monel	PN63 / 300 lbs	DN25	1"
C4	C.S.	PN100 / 600 lbs	DN25	1"
S4	316 SS	PN100 / 600 lbs	DN25	1"
X4	Duplex	PN100 / 600 lbs	DN25	1"
K4	1.4539	PN100 / 600 lbs	DN25	1"
H4	Hastelloy C	PN100 / 600 lbs	DN25	1"
D4	Incoloy 800	PN100 / 600 lbs	DN25	1"
L4	Inconel 600	PN100 / 600 lbs	DN25	1"
M4	Monel	PN100 / 600 lbs	DN25	1"

C5	C.S.	PN160 / 1500 lbs	DN25	1"
S5	316 SS	PN160 / 1500 lbs	DN25	1"
X5	Duplex	PN160 / 1500 lbs	DN25	1"
K5	1.4539	PN160 / 1500 lbs	DN25	1"
H5	Hastelloy C	PN160 / 1500 lbs	DN25	1"
D5	Incoloy 800	PN160 / 1500 lbs	DN25	1"
L5	Inconel 600	PN160 / 1500 lbs	DN25	1"
M5	Monel	PN160 / 1500 lbs	DN25	1"

C6	C.S.	PN250 / 1500 lbs	DN25	1"
S6	316 SS	PN250 / 1500 lbs	DN25	1"
X6	Duplex	PN250 / 1500 lbs	DN25	1"
K6	1.4539	PN250 / 1500 lbs	DN25	1"
H6	Hastelloy C	PN250 / 1500 lbs	DN25	1"
D6	Incoloy 800	PN250 / 1500 lbs	DN25	1"
L6	Inconel 600	PN250 / 1500 lbs	DN25	1"
M6	Monel	PN250 / 1500 lbs	DN25	1"

C7	C.S.	PN320 / 2500 lbs	DN25	1"
S7	316 SS	PN320 / 2500 lbs	DN25	1"
X7	Duplex	PN320 / 2500 lbs	DN25	1"
K7	1.4539	PN320 / 2500 lbs	DN25	1"
H7	Hastelloy C	PN320 / 2500 lbs	DN25	1"
D7	Incoloy 800	PN320 / 2500 lbs	DN25	1"
L7	Inconel 600	PN320 / 2500 lbs	DN25	1"
M7	Monel	PN320 / 2500 lbs	DN25	1"

C8	C.S.	PN400 / 2500 lbs	DN25	1"
S8	316 SS	PN400 / 2500 lbs	DN25	1"
X8	Duplex	PN400 / 2500 lbs	DN25	1"
K8	1.4539	PN400 / 2500 lbs	DN25	1"
H8	Hastelloy C	PN400 / 2500 lbs	DN25	1"
D8	Incoloy 800	PN400 / 2500 lbs	DN25	1"
L8	Inconel 600	PN400 / 2500 lbs	DN25	1"
M8	Monel	PN400 / 2500 lbs	DN25	1"

10. end support (only IBF-21)	
0	without end support
C	end support, material C.S.
S	end support, material: 316 SS
X	end support, material: Duplex
K	end support, material: 1.4539
M	end support, material: Monel
H	end support, material: Hastelloy C
D	end support, material: Incoloy 800
L	end support, material: Inconel 600

1. Order specification ITABAR-FLOW-Sensor, series IBF-20/21

IBF-	/	type of sensor							
		inside diameter and wall thickness							
		material sensor							
		sensor flange							
		gasket strip							
		PN, material and DN of Sensor flange							
		design assembly connecting pieces							
		Assembly connecting piece with flange							
		material connecting piece, with flange							
		end support (only IBF-21)							
		isolation	<table border="1"> <tr> <td colspan="2">11. isolation</td> </tr> <tr> <td>KI</td> <td>without</td> </tr> <tr> <td>X..</td> <td>isolation in inches (or mm), please specify</td> </tr> </table>	11. isolation		KI	without	X..	isolation in inches (or mm), please specify
		11. isolation							
		KI	without						
		X..	isolation in inches (or mm), please specify						
pipng run	<table border="1"> <tr> <td colspan="2">12. piping run</td> </tr> <tr> <td>HL</td> <td>horizontal</td> </tr> <tr> <td>VL</td> <td>vertikal</td> </tr> </table>	12. piping run		HL	horizontal	VL	vertikal		
12. piping run									
HL	horizontal								
VL	vertikal								
	<table border="1"> <tr> <td colspan="2">14. process connection</td> </tr> <tr> <td></td> <td>s. page 75</td> </tr> </table>	14. process connection			s. page 75				
14. process connection									
	s. page 75								
	<table border="1"> <tr> <td colspan="2">15. instrument valves</td> </tr> <tr> <td></td> <td>s. page 75</td> </tr> </table>	15. instrument valves			s. page 75				
15. instrument valves									
	s. page 75								

1. Order specification ITABAR-FLOW-Sensor, series IBF-25/26

1. type of Sensor				
25	without end support			
26	with end support			
2. inside diameter and wall thickness.				
ID / W.-thickn.	inside diameter and wall thickness in inches (or mm), please specify			
3. sensor material				
S	316 SS			
X	1.4462 Duplex			
K	1.4539			
H	Hastelloy C4			
Y	Incoloy 800			
L	Inconel 600			
M	Monel			
D	PVDF, max. Druck 6 bar bis DN1000			
4. sensor flange, always identically to sensor material.				
SM	flange according DIN			
SA	flange according ANSI			
5. gasket				
1	gasket strip according to DIN			
2	ANSI RF			
3	ANSI RF SF (smooth finish)			
4	RTJ			
6. PN, material and DN of Sensor flange				
			DIN	ANSI
B01	PN16 / 150 lbs	material: 316 SS	DN32	1 1/2"
B02	PN40 / 300 lbs	material: 316 SS	DN32	1 1/2"
B03	PN63 / 300 lbs	material: 316 SS	DN40	1 1/2"
B04	PN100 / 600 lbs	material: 316 SS	DN40	1 1/2"
B05	PN160 / 1500 lbs	material: 316 SS	DN40	1 1/2"
B06	PN250 / 1500 lbs	material: 316 SS	DN40	1 1/2"
B07	PN320 / 2500 lbs	material: 316 SS	DN40	1 1/2"
B08	PN400 / 2500 lbs	material: 316 SS	DN40	1 1/2"
B10	PN16 / 150 lbs	material: 1.4462 Duplex	DN32	1 1/2"
B11	PN40 / 300 lbs	material: 1.4462 Duplex	DN32	1 1/2"
B12	PN63 / 300 lbs	material: 1.4462 Duplex	DN40	1 1/2"
B13	PN100 / 600 lbs	material: 1.4462 Duplex	DN40	1 1/2"
B14	PN160 / 1500 lbs	material: 1.4462 Duplex	DN40	1 1/2"
B15	PN250 / 1500 lbs	material: 1.4462 Duplex	DN40	1 1/2"
B16	PN320 / 2500 lbs	material: 1.4462 Duplex	DN40	1 1/2"
B17	PN400 / 2500 lbs	material: 1.4462 Duplex	DN40	1 1/2"
B20	PN16 / 150 lbs	material: 1.4539	DN32	1 1/2"
B21	PN40 / 300 lbs	material: 1.4539	DN32	1 1/2"
B22	PN63 / 300 lbs	material: 1.4539	DN40	1 1/2"
B23	PN100 / 600 lbs	material: 1.4539	DN40	1 1/2"
B24	PN160 / 1500 lbs	material: 1.4539	DN40	1 1/2"
B25	PN250 / 1500 lbs	material: 1.4539	DN40	1 1/2"
B26	PN320 / 2500 lbs	material: 1.4539	DN40	1 1/2"
B27	PN400 / 2500 lbs	material: 1.4539	DN40	1 1/2"
B30	PN16 / 150 lbs	material: Hastelloy C4	DN32	1 1/2"
B31	PN40 / 300 lbs	material: Hastelloy C4	DN32	1 1/2"
B32	PN63 / 300 lbs	material: Hastelloy C4	DN40	1 1/2"
B33	PN100 / 600 lbs	material: Hastelloy C4	DN40	1 1/2"
B34	PN160 / 1500 lbs	material: Hastelloy C4	DN40	1 1/2"
B35	PN250 / 1500 lbs	material: Hastelloy C4	DN40	1 1/2"
B36	PN320 / 2500 lbs	material: Hastelloy C4	DN40	1 1/2"
B37	PN400 / 2500 lbs	material: Hastelloy C4	DN40	1 1/2"

1. Order specification ITABAR-FLOW-Sensor, series IBF-25/26

continued				
6. PN, material and DN of Sensor flange			DIN	ANSI
B40	PN16 / 150 lbs	material: Incoloy 800	DN32	1 1/2"
B41	PN40 / 300 lbs	material: Incoloy 800	DN32	1 1/2"
B42	PN63 / 300 lbs	material: Incoloy 800	DN40	1 1/2"
B43	PN100 / 600 lbs	material: Incoloy 800	DN40	1 1/2"
B44	PN160 / 1500 lbs	material: Incoloy 800	DN40	1 1/2"
B45	PN250 / 1500 lbs	material: Incoloy 800	DN40	1 1/2"
B46	PN320 / 2500 lbs	material: Incoloy 800	DN40	1 1/2"
B47	PN400 / 2500 lbs	material: Incoloy 800	DN40	1 1/2"
B50	PN16 / 150 lbs	material: Inconel 600	DN32	1 1/2"
B51	PN40 / 300 lbs	material: Inconel 600	DN32	1 1/2"
B52	PN63 / 300 lbs	material: Inconel 600	DN40	1 1/2"
B53	PN100 / 600 lbs	material: Inconel 600	DN40	1 1/2"
B54	PN160 / 1500 lbs	material: Inconel 600	DN40	1 1/2"
B55	PN250 / 1500 lbs	material: Inconel 600	DN40	1 1/2"
B56	PN320 / 2500 lbs	material: Inconel 600	DN40	1 1/2"
B57	PN400 / 2500 lbs	material: Inconel 600	DN40	1 1/2"
B60	PN16 / 150 lbs	material: Monel	DN32	1 1/2"
B61	PN40 / 300 lbs	material: Monel	DN32	1 1/2"
B62	PN63 / 300 lbs	material: Monel	DN40	1 1/2"
B63	PN100 / 600 lbs	material: Monel	DN40	1 1/2"
B64	PN160 / 1500 lbs	material: Monel	DN40	1 1/2"
B65	PN250 / 1500 lbs	material: Monel	DN40	1 1/2"
B66	PN320 / 2500 lbs	material: Monel	DN40	1 1/2"
B67	PN400 / 2500 lbs	material: Monel	DN40	1 1/2"
B70	PN16 / 150 lbs	material: PVDF, max. pressure 6 bar to DN1000	DN32	1 1/2"
7. design assembly connecting pieces				
R	assembly connecting pieces with flange (standard)			
W	Weldolet-assembly connecting pieces and flange			
8. assembly connecting piece with flange, identically to sensor flange.				
0	without flange			
M	flange according DIN, gasket strip form C			
A	flange according ANSI, gasket strip RF			
F	flange according ANSI, gasket strip SF (smooth finish)			
T	flange according ANSI, gasket strip RTJ			
S	saddle flange, size of flange: DN40, material:GGG-40/EWS coted without retainer			
V	saddle flange with retainer, material: rustproof steel, outside pipe diameter 87-470 mm, gasket: NBR			
3	saddle flange with retainer, material: 1.4301, outside pipe diameter 75-582 mm, gasket: NBR			
Z	saddle flange with retainer, material:1.4301, for asbestos-cement pipe outside pipe diameter 97-494 mm, gasket: NBR			
9. material connecting piece, with flange (max. pressure rating)				
C1	C.S.	PN16 / 150 lbs	DN32	1 1/2"
S1	316 SS	PN16 / 150 lbs	DN32	1 1/2"
X1	Duplex	PN16 / 150 lbs	DN40	1 1/2"
K1	1.4539	PN16 / 150 lbs	DN40	1 1/2"
H1	Hastelloy C	PN16 / 150 lbs	DN40	1 1/2"
D1	Incoloy 800	PN16 / 150 lbs	DN40	1 1/2"
L1	Inconel 600	PN16 / 150 lbs	DN40	1 1/2"
M1	Monel	PN16 / 150 lbs	DN40	1 1/2"
V1	PVDF	PN16 / 150 lbs	DN40	1 1/2"

1.Order specification ITABAR-FLOW-Sensor, series IBF-25/26

C2	C.S.	PN40 / 300 lbs	DN32	1 1/2"
S2	316 SS	PN40 / 300 lbs	DN32	1 1/2"
X2	Duplex	PN40 / 300 lbs	DN40	1 1/2"
K2	1.4539	PN40 / 300 lbs	DN40	1 1/2"
H2	Hastelloy C	PN40 / 300 lbs	DN40	1 1/2"
D2	Incoloy 800	PN40 / 300 lbs	DN40	1 1/2"
L2	Inconel 600	PN40 / 300 lbs	DN40	1 1/2"
M2	Monel	PN40 / 300 lbs	DN40	1 1/2"

C3	C.S.	PN63 / 300 lbs	DN32	1 1/2"
S3	316 SS	PN63 / 300 lbs	DN32	1 1/2"
X3	Duplex	PN63 / 300 lbs	DN40	1 1/2"
K3	1.4539	PN63 / 300 lbs	DN40	1 1/2"
H3	Hastelloy C	PN63 / 300 lbs	DN40	1 1/2"
D3	Incoloy 800	PN63 / 300 lbs	DN40	1 1/2"
L3	Inconel 600	PN63 / 300 lbs	DN40	1 1/2"
M3	Monel	PN63 / 300 lbs	DN40	1 1/2"

C4	C.S.	PN100 / 600 lbs	DN32	1 1/2"
S4	316 SS	PN100 / 600 lbs	DN32	1 1/2"
X4	Duplex	PN100 / 600 lbs	DN40	1 1/2"
K4	1.4539	PN100 / 600 lbs	DN40	1 1/2"
H4	Hastelloy C	PN100 / 600 lbs	DN40	1 1/2"
D4	Incoloy 800	PN100 / 600 lbs	DN40	1 1/2"
L4	Inconel 600	PN100 / 600 lbs	DN40	1 1/2"
M4	Monel	PN100 / 600 lbs	DN40	1 1/2"

C5	C.S.	PN160 / 1500 lbs	DN32	1 1/2"
S5	316 SS	PN160 / 1500 lbs	DN32	1 1/2"
X5	Duplex	PN160 / 1500 lbs	DN40	1 1/2"
K5	1.4539	PN160 / 1500 lbs	DN40	1 1/2"
H5	Hastelloy C	PN160 / 1500 lbs	DN40	1 1/2"
D5	Incoloy 800	PN160 / 1500 lbs	DN40	1 1/2"
L5	Inconel 600	PN160 / 1500 lbs	DN40	1 1/2"
M5	Monel	PN160 / 1500 lbs	DN40	1 1/2"

C6	C.S.	PN250 / 1500 lbs	DN32	1 1/2"
S6	316 SS	PN250 / 1500 lbs	DN32	1 1/2"
X6	Duplex	PN250 / 1500 lbs	DN40	1 1/2"
K6	1.4539	PN250 / 1500 lbs	DN40	1 1/2"
H6	Hastelloy C	PN250 / 1500 lbs	DN40	1 1/2"
D6	Incoloy 800	PN250 / 1500 lbs	DN40	1 1/2"
L6	Inconel 600	PN250 / 1500 lbs	DN40	1 1/2"
M6	Monel	PN250 / 1500 lbs	DN40	1 1/2"

C7	C.S.	PN320 / 2500 lbs	DN32	1 1/2"
S7	316 SS	PN320 / 2500 lbs	DN32	1 1/2"
X7	Duplex	PN320 / 2500 lbs	DN40	1 1/2"
K7	1.4539	PN320 / 2500 lbs	DN40	1 1/2"
H7	Hastelloy C	PN320 / 2500 lbs	DN40	1 1/2"
D7	Incoloy 800	PN320 / 2500 lbs	DN40	1 1/2"
L7	Inconel 600	PN320 / 2500 lbs	DN40	1 1/2"
M7	Monel	PN320 / 2500 lbs	DN40	1 1/2"

C8	C.S.	PN400 / 2500 lbs	DN32	1 1/2"
S8	316 SS	PN400 / 2500 lbs	DN32	1 1/2"
X8	Duplex	PN400 / 2500 lbs	DN40	1 1/2"
K8	1.4539	PN400 / 2500 lbs	DN40	1 1/2"
H8	Hastelloy C	PN400 / 2500 lbs	DN40	1 1/2"

1. Order specification ITABAR-FLOW-Sensor, series IBF-35/36

1. type of Sensor

35	without end support
36	with end support

2. inside diameter and wall thickness.

ID / W.-thickn. inside diameter and wall thickness in inches (or mm), please specify

3. sensor material

S	316 SS
X	1.4462 Duplex
K	1.4539
H	Hastelloy C4
Y	Incoloy 800
L	Inconel 600
M	Monel
D	PVDF, max. Druck 6 bar bis DN1000

4. sensor flange, always identically to sensor material.

SM	flange according DIN
SA	flange according ANSI

5. gasket

1	gasket strip according to DIN
2	ANSI RF
3	ANSI RF SF (smooth finish)
4	RTJ

6. PN, material and DN of Sensor flange

			DIN	ANSI
C01	PN16 / 150 lbs	material: 316 SS	DN50	2"
C02	PN40 / 300 lbs	material: 316 SS	DN50	2"
C03	PN63 / 300 lbs	material: 316 SS	DN50	2"
C04	PN100 / 600 lbs	material: 316 SS	DN50	2"
C05	PN160 / 1500 lbs	material: 316 SS	DN50	2"
C06	PN250 / 1500 lbs	material: 316 SS	DN50	2"
C07	PN320 / 2500 lbs	material: 316 SS	DN50	2"
C08	PN400 / 2500 lbs	material: 316 SS	DN50	2"

C10	PN16 / 150 lbs	material: 1.4462 Duplex	DN50	2"
C11	PN40 / 300 lbs	material: 1.4462 Duplex	DN50	2"
C12	PN63 / 300 lbs	material: 1.4462 Duplex	DN50	2"
C13	PN100 / 600 lbs	material: 1.4462 Duplex	DN50	2"
C14	PN160 / 1500 lbs	material: 1.4462 Duplex	DN50	2"
C15	PN250 / 1500 lbs	material: 1.4462 Duplex	DN50	2"
C16	PN320 / 2500 lbs	material: 1.4462 Duplex	DN50	2"
C17	PN400 / 2500 lbs	material: 1.4462 Duplex	DN50	2"

C20	PN16 / 150 lbs	material: 1.4539	DN50	2"
C21	PN40 / 300 lbs	material: 1.4539	DN50	2"
C22	PN63 / 300 lbs	material: 1.4539	DN50	2"
C23	PN100 / 600 lbs	material: 1.4539	DN50	2"
C24	PN160 / 1500 lbs	material: 1.4539	DN50	2"
C25	PN250 / 1500 lbs	material: 1.4539	DN50	2"
C26	PN320 / 2500 lbs	material: 1.4539	DN50	2"
C28	PN400 / 2500 lbs	material: 1.4539	DN50	2"

C30	PN16 / 150 lbs	material: Hastelloy C4	DN50	2"
C31	PN40 / 300 lbs	material: Hastelloy C4	DN50	2"
C32	PN63 / 300 lbs	material: Hastelloy C4	DN50	2"
C33	PN100 / 600 lbs	material: Hastelloy C4	DN50	2"
C34	PN160 / 1500 lbs	material: Hastelloy C4	DN50	2"
C35	PN250 / 1500 lbs	material: Hastelloy C4	DN50	2"
C36	PN320 / 2500 lbs	material: Hastelloy C4	DN50	2"
C37	PN400 / 2500 lbs	material: Hastelloy C4	DN50	2"

1. Order specification ITABAR-FLOW-Sensor, series IBF-35/36

continued				
6. PN, Werkstoff und DN des Sondenflansches			DIN	ANSI
C40	PN16 / 150 lbs	material: Incoloy 800	DN50	2"
C41	PN40 / 300 lbs	material: Incoloy 800	DN50	2"
C42	PN63 / 300 lbs	material: Incoloy 800	DN50	2"
C43	PN100 / 600 lbs	material: Incoloy 800	DN50	2"
C44	PN160 / 1500 lbs	material: Incoloy 800	DN50	2"
C45	PN250 / 1500 lbs	material: Incoloy 800	DN50	2"
C46	PN320 / 2500 lbs	material: Incoloy 800	DN50	2"
C47	PN400 / 2500 lbs	material: Incoloy 800	DN50	2"
C50	PN16 / 150 lbs	material: Inconel 600	DN50	2"
C51	PN40 / 300 lbs	material: Inconel 600	DN50	2"
C52	PN63 / 300 lbs	material: Inconel 600	DN50	2"
C53	PN100 / 600 lbs	material: Inconel 600	DN50	2"
C54	PN160 / 1500 lbs	material: Inconel 600	DN50	2"
C55	PN250 / 1500 lbs	material: Inconel 600	DN50	2"
C56	PN320 / 2500 lbs	material: Inconel 600	DN50	2"
C57	PN400 / 2500 lbs	material: Inconel 600	DN50	2"
C60	PN16 / 150 lbs	material: Monel	DN50	2"
C61	PN40 / 300 lbs	material: Monel	DN50	2"
C62	PN63 / 300 lbs	material: Monel	DN50	2"
C63	PN100 / 600 lbs	material: Monel	DN50	2"
C64	PN160 / 1500 lbs	material: Monel	DN50	2"
C65	PN250 / 1500 lbs	material: Monel	DN50	2"
C66	PN320 / 2500 lbs	material: Monel	DN50	2"
C67	PN400 / 2500 lbs	material: Monel	DN50	2"
C70	PN16 / 150 lbs	material: PVDF, max. pressure 6 bar to DN1000	DN50	2"
7. design assembly connecting pieces				
R	assembly connecting pieces with flange (standard)			
W	Weldolet-assembly connecting pieces and flange			
8. assembly connecting piece with flange, identically to sensor flange.				
0	without flange			
M	flange according DIN, gasket strip form C			
A	flange according ANSI, gasket strip RF			
F	flange according ANSI, gasket strip SF (smooth finish)			
T	flange according ANSI, gasket strip RTJ			
S	saddle flange, size of flange: DN40, material:GGG-40/EWS coated without retainer			
V	saddle flange with retainer, material: rustproof steel, outside pipe diameter 87-470 mm, gasket: NBR			
3	saddle flange with retainer, material: 1.4301, outside pipe diameter 75-582 mm, gasket: NBR			
Z	saddle flange with retainer, material:1.4301, for asbestos-cement pipe outside pipe diameter 97-494 mm, gasket: NBR			
9. material connecting piece, with flange (max. pressure rating)				
C1	C.S.	PN16 / 150 lbs	DN50	2"
S1	316 SS	PN16 / 150 lbs	DN50	2"
X1	Duplex	PN16 / 150 lbs	DN50	2"
K1	1.4539	PN16 / 150 lbs	DN50	2"
H1	Hastelloy C	PN16 / 150 lbs	DN50	2"
D1	Incoloy 800	PN16 / 150 lbs	DN50	2"
L1	Inconel 600	PN16 / 150 lbs	DN50	2"
M1	Monel	PN16 / 150 lbs	DN50	2"
V1	PVDF	PN16 / 150 lbs	DN50	2"

1. Order specification ITABAR-FLOW-Sensor, series IBF-35/36

C2	C.S.	PN40 / 300 lbs	DN50	2"
S2	316 SS	PN40 / 300 lbs	DN50	2"
X2	Duplex	PN40 / 300 lbs	DN50	2"
K2	1.4539	PN40 / 300 lbs	DN50	2"
H2	Hastelloy C	PN40 / 300 lbs	DN50	2"
D2	Incoloy 800	PN40 / 300 lbs	DN50	2"
L2	Inconel 600	PN40 / 300 lbs	DN50	2"
M2	Monel	PN40 / 300 lbs	DN50	2"

C3	C.S.	PN63 / 300 lbs	DN50	2"
S3	316 SS	PN63 / 300 lbs	DN50	2"
X3	Duplex	PN63 / 300 lbs	DN50	2"
K3	1.4539	PN63 / 300 lbs	DN50	2"
H3	Hastelloy C	PN63 / 300 lbs	DN50	2"
D3	Incoloy 800	PN63 / 300 lbs	DN50	2"
L3	Inconel 600	PN63 / 300 lbs	DN50	2"
M3	Monel	PN63 / 300 lbs	DN50	2"

C4	C.S.	PN100 / 600 lbs	DN50	2"
S4	316 SS	PN100 / 600 lbs	DN50	2"
X4	Duplex	PN100 / 600 lbs	DN50	2"
K4	1.4539	PN100 / 600 lbs	DN50	2"
H4	Hastelloy C	PN100 / 600 lbs	DN50	2"
D4	Incoloy 800	PN100 / 600 lbs	DN50	2"
L4	Inconel 600	PN100 / 600 lbs	DN50	2"
M4	Monel	PN100 / 600 lbs	DN50	2"

C5	C.S.	PN160 / 1500 lbs	DN50	2"
S5	316 SS	PN160 / 1500 lbs	DN50	2"
X5	Duplex	PN160 / 1500 lbs	DN50	2"
K5	1.4539	PN160 / 1500 lbs	DN50	2"
H5	Hastelloy C	PN160 / 1500 lbs	DN50	2"
D5	Incoloy 800	PN160 / 1500 lbs	DN50	2"
L5	Inconel 600	PN160 / 1500 lbs	DN50	2"
M5	Monel	PN160 / 1500 lbs	DN50	2"

C6	C.S.	PN250 / 1500 lbs	DN50	2"
S6	316 SS	PN250 / 1500 lbs	DN50	2"
X6	Duplex	PN250 / 1500 lbs	DN50	2"
K6	1.4539	PN250 / 1500 lbs	DN50	2"
H6	Hastelloy C	PN250 / 1500 lbs	DN50	2"
D6	Incoloy 800	PN250 / 1500 lbs	DN50	2"
L6	Inconel 600	PN250 / 1500 lbs	DN50	2"
M6	Monel	PN250 / 1500 lbs	DN50	2"

C7	C.S.	PN320 / 2500 lbs	DN50	2"
S7	316 SS	PN320 / 2500 lbs	DN50	2"
X7	Duplex	PN320 / 2500 lbs	DN50	2"
K7	1.4539	PN320 / 2500 lbs	DN50	2"
H7	Hastelloy C	PN320 / 2500 lbs	DN50	2"
D7	Incoloy 800	PN320 / 2500 lbs	DN50	2"
L7	Inconel 600	PN320 / 2500 lbs	DN50	2"
M7	Monel	PN320 / 2500 lbs	DN50	2"

C8	C-Stahl	PN400 / 2500 lbs	DN50	2"
S8	1.4571	PN400 / 2500 lbs	DN50	2"
X8	Duplex	PN400 / 2500 lbs	DN50	2"
K8	1.4539	PN400 / 2500 lbs	DN50	2"
H8	Hastelloy C	PN400 / 2500 lbs	DN50	2"

1. Order specification ITABAR-FLOW-Sensor, series IBF-35/36

continued										
9. material connecting piece, with flange (max. pressure rating)										
D8	Incoloy 800	PN400 / 2500 lbs	DN50	2"						
L8	Inconel 600	PN400 / 2500 lbs	DN50	2"						
M8	Monel	PN400 / 2500 lbs	DN50	2"						
10. end support (only IBF-36)										
0	without end support									
C	end support, material C.S.									
S	end support, material: 316 SS									
X	end support, material: Duplex									
K	end support, material: 1.4539									
H	end support, material: Monel									
D	end support, material: Hastelloy C									
L	end support, material: Incoloy 800									
M	end support, material: Inconel 600									
V	end support, material: PVDF									
11. isolation										
KI	without									
X..	isolation in inches (or mm), please specify									
12. piping run										
HL	horizontal									
VL	vertikal									
13. integrated RTD resistance thermocouple (not for Sensor of PVDF)										
T0	without									
TA	3-wire									
TB	3-wire, with ex-proofness									
14. process connection, s. page 75										
15. instrument valves s. page 75										

type of sensor	inside diameter and wall thickness	material sensor	sensor flange	gasket	PN, material and DN of Sensor	design assembly connecting pieces	Assembly connecting piece with flange	material connecting piece, with flange	end support	isolation	piping run									
IBF-																				

1. Order specification ITABAR-FLOW-Sensor, series IBF-65/66

1. type of sensor

65	without end support
66	with end support

2. inside diameter and wall thickness.

ID / W.-thickn. inside diameter and wall thickness in inches (or mm), please specify

3. sensor material

S	316 SS (standard)
X	1.4462 Duplex
K	1.4539
H	Hastelloy C4
Y	Incoloy 800
L	Inconel 600
M	Monel
D	PVDF, max. Druck 6 bar bis DN1000

4. sensor flange, always identically to sensor material.

SM	flange according DIN
SA	flange according ANSI

5. gasket

1	gasket strip according to DIN
2	ANSI RF
3	ANSI RF SF (smooth finish)
4	RTJ

6. PN, material and DN of Sensor flange

			DIN	ANSI
D01	PN16 / 150 lbs	material: 316 SS	DN65	2 1/2"
D02	PN40 / 300 lbs	material: 316 SS	DN65	2 1/2"
D03	PN63 / 300 lbs	material: 316 SS	DN65	2 1/2"
D04	PN100 / 600 lbs	material: 316 SS	DN65	2 1/2"
D05	PN160 / 1500 lbs	material: 316 SS	DN65	2 1/2"
D06	PN250 / 1500 lbs	material: 316 SS	DN65	2 1/2"
D07	PN320 / 2500 lbs	material: 316 SS	DN65	2 1/2"
D08	PN400 / 2500 lbs	material: 316 SS	DN65	2 1/2"

D10	PN16 / 150 lbs	material: 1.4462 Duplex	DN65	2 1/2"
D11	PN40 / 300 lbs	material: 1.4462 Duplex	DN65	2 1/2"
D12	PN63 / 300 lbs	material: 1.4462 Duplex	DN65	2 1/2"
D13	PN100 / 600 lbs	material: 1.4462 Duplex	DN65	2 1/2"
D14	PN160 / 1500 lbs	material: 1.4462 Duplex	DN65	2 1/2"
D15	PN250 / 1500 lbs	material: 1.4462 Duplex	DN65	2 1/2"
D16	PN320 / 2500 lbs	material: 1.4462 Duplex	DN65	2 1/2"
D17	PN400 / 2500 lbs	material: 1.4462 Duplex	DN65	2 1/2"

D20	PN16 / 150 lbs	material: 1.4539	DN65	2 1/2"
D21	PN40 / 300 lbs	material: 1.4539	DN65	2 1/2"
D22	PN63 / 300 lbs	material: 1.4539	DN65	2 1/2"
D23	PN100 / 600 lbs	material: 1.4539	DN65	2 1/2"
D24	PN160 / 1500 lbs	material: 1.4539	DN65	2 1/2"
D25	PN250 / 1500 lbs	material: 1.4539	DN65	2 1/2"
D26	PN320 / 2500 lbs	material: 1.4539	DN65	2 1/2"
D27	PN400 / 2500 lbs	material: 1.4539	DN65	2 1/2"

D30	PN16 / 150 lbs	material: Hastelloy C4	DN65	2 1/2"
D31	PN40 / 300 lbs	material: Hastelloy C4	DN65	2 1/2"
D32	PN63 / 300 lbs	material: Hastelloy C4	DN65	2 1/2"
D33	PN100 / 600 lbs	material: Hastelloy C4	DN65	2 1/2"
D34	PN160 / 1500 lbs	material: Hastelloy C4	DN65	2 1/2"
D35	PN250 / 1500 lbs	material: Hastelloy C4	DN65	2 1/2"
D36	PN320 / 2500 lbs	material: Hastelloy C4	DN65	2 1/2"
D37	PN400 / 2500 lbs	material: Hastelloy C4	DN65	2 1/2"

1. Order specification ITABAR-FLOW-Sensor, series IBF-65/66

continued				
6. PN, Werkstoff und DN des Sondenflansches			DIN	ANSI
D40	PN16 / 150 lbs	material: Incoloy 800	DN65	2 1/2"
D41	PN40 / 300 lbs	material: Incoloy 800	DN65	2 1/2"
D42	PN63 / 300 lbs	material: Incoloy 800	DN65	2 1/2"
D43	PN100 / 600 lbs	material: Incoloy 800	DN65	2 1/2"
D44	PN160 / 1500 lbs	material: Incoloy 800	DN65	2 1/2"
D45	PN250 / 1500 lbs	material: Incoloy 800	DN65	2 1/2"
D46	PN320 / 2500 lbs	material: Incoloy 800	DN65	2 1/2"
D47	PN400 / 2500 lbs	material: Incoloy 800	DN65	2 1/2"
D50	PN16 / 150 lbs	material: Inconel 600	DN65	2 1/2"
D51	PN40 / 300 lbs	material: Inconel 600	DN65	2 1/2"
D52	PN63 / 300 lbs	material: Inconel 600	DN65	2 1/2"
D53	PN100 / 600 lbs	material: Inconel 600	DN65	2 1/2"
D54	PN160 / 1500 lbs	material: Inconel 600	DN65	2 1/2"
D55	PN250 / 1500 lbs	material: Inconel 600	DN65	2 1/2"
D56	PN320 / 2500 lbs	material: Inconel 600	DN65	2 1/2"
D57	PN400 / 2500 lbs	material: Inconel 600	DN65	2 1/2"
D60	PN16 / 150 lbs	material: Monel	DN65	2 1/2"
D61	PN40 / 300 lbs	material: Monel	DN65	2 1/2"
D62	PN63 / 300 lbs	material: Monel	DN65	2 1/2"
D63	PN100 / 600 lbs	material: Monel	DN65	2 1/2"
D64	PN160 / 1500 lbs	material: Monel	DN65	2 1/2"
D65	PN250 / 1500 lbs	material: Monel	DN65	2 1/2"
D66	PN320 / 2500 lbs	material: Monel	DN65	2 1/2"
D67	PN400 / 2500 lbs	material: Monel	DN65	2 1/2"
D70	PN16 / 150 lbs	material: PVDF, max. pressure 6 bar to DN1000	DN65	2 1/2"
7. design assembly connecting pieces				
R	assembly connecting pieces with flange (standard)			
W	Weldolet-assembly connecting pieces and flange			
8. assembly connecting piece with flange, identically to sensor flange.				
0	without flange			
M	flange according DIN, gasket strip form C			
A	flange according ANSI, gasket strip RF			
F	flange according ANSI, gasket strip SF (smooth finish)			
T	flange according ANSI, gasket strip RTJ			
S	saddle flange, size of flange: DN40, material:GGG-40/EWS coted			
	without retainer			
V	saddle flange with retainer, material: rustproof steel,			
	outside pipe diameter 87-470 mm, gasket: NBR			
3	saddle flange with retainer, material: 1.4301,			
	outside pipe diameter 75-582 mm, gasket: NBR			
Z	saddle flange with retainer, material:1.4301, for asbestos-cement pipe			
	outside pipe diameter 97-494 mm, gasket: NBR			
9. material connecting piece, with flange (max. pressure rating)				
C1	C.S.	PN16 / 150 lbs	DN65	2 1/2"
S1	316 SS	PN16 / 150 lbs	DN65	2 1/2"
X1	Duplex	PN16 / 150 lbs	DN65	2 1/2"
K1	1.4539	PN16 / 150 lbs	DN65	2 1/2"
M1	Monel	PN16 / 150 lbs	DN65	2 1/2"
H1	Hastelloy C	PN16 / 150 lbs	DN65	2 1/2"
D1	Incoloy 800	PN16 / 150 lbs	DN65	2 1/2"
L1	Inconel 600	PN16 / 150 lbs	DN65	2 1/2"
V1	PVDF	PN16 / 150 lbs	DN65	2 1/2"

1. Order specification ITABAR-FLOW-Sensor, series IBF-65/66

C2	C.S.	PN40 / 300 lbs	DN65	2 1/2"
S2	316 SS	PN40 / 300 lbs	DN65	2 1/2"
X2	Duplex	PN40 / 300 lbs	DN65	2 1/2"
K2	1.4539	PN40 / 300 lbs	DN65	2 1/2"
H2	Hastelloy C	PN40 / 300 lbs	DN65	2 1/2"
D2	Incoloy 800	PN40 / 300 lbs	DN65	2 1/2"
L2	Inconel 600	PN40 / 300 lbs	DN65	2 1/2"
M2	Monel	PN40 / 300 lbs	DN65	2 1/2"

C3	C.S.	PN63 / 300 lbs	DN65	2 1/2"
S3	316 SS	PN63 / 300 lbs	DN65	2 1/2"
X3	Duplex	PN63 / 300 lbs	DN65	2 1/2"
K3	1.4539	PN63 / 300 lbs	DN65	2 1/2"
H3	Hastelloy C	PN63 / 300 lbs	DN65	2 1/2"
D3	Incoloy 800	PN63 / 300 lbs	DN65	2 1/2"
L3	Inconel 600	PN63 / 300 lbs	DN65	2 1/2"
M3	Monel	PN63 / 300 lbs	DN65	2 1/2"

C4	C.S.	PN100 / 600 lbs	DN65	2 1/2"
S4	316 SS	PN100 / 600 lbs	DN65	2 1/2"
X4	Duplex	PN100 / 600 lbs	DN65	2 1/2"
K4	1.4539	PN100 / 600 lbs	DN65	2 1/2"
H4	Hastelloy C	PN100 / 600 lbs	DN65	2 1/2"
D4	Incoloy 800	PN100 / 600 lbs	DN65	2 1/2"
L4	Inconel 600	PN100 / 600 lbs	DN65	2 1/2"
M4	Monel	PN100 / 600 lbs	DN65	2 1/2"

C5	C.S.	PN160 / 1500 lbs	DN65	2 1/2"
S5	316 SS	PN160 / 1500 lbs	DN65	2 1/2"
X5	Duplex	PN160 / 1500 lbs	DN65	2 1/2"
K5	1.4539	PN160 / 1500 lbs	DN65	2 1/2"
H5	Hastelloy C	PN160 / 1500 lbs	DN65	2 1/2"
D5	Incoloy 800	PN160 / 1500 lbs	DN65	2 1/2"
L5	Inconel 600	PN160 / 1500 lbs	DN65	2 1/2"
M5	Monel	PN160 / 1500 lbs	DN65	2 1/2"

C6	C.S.	PN250 / 1500 lbs	DN65	2 1/2"
S6	316 SS	PN250 / 1500 lbs	DN65	2 1/2"
X6	Duplex	PN250 / 1500 lbs	DN65	2 1/2"
K6	1.4539	PN250 / 1500 lbs	DN65	2 1/2"
H6	Hastelloy C	PN250 / 1500 lbs	DN65	2 1/2"
D6	Incoloy 800	PN250 / 1500 lbs	DN65	2 1/2"
L6	Inconel 600	PN250 / 1500 lbs	DN65	2 1/2"
M6	Monel	PN250 / 1500 lbs	DN65	2 1/2"

C7	C.S.	PN320 / 2500 lbs	DN65	2 1/2"
S7	316 SS	PN320 / 2500 lbs	DN65	2 1/2"
X7	Duplex	PN320 / 2500 lbs	DN65	2 1/2"
K7	1.4539	PN320 / 2500 lbs	DN65	2 1/2"
H7	Hastelloy C	PN320 / 2500 lbs	DN65	2 1/2"
D7	Incoloy 800	PN320 / 2500 lbs	DN65	2 1/2"
L7	Inconel 600	PN320 / 2500 lbs	DN65	2 1/2"
M7	Monel	PN320 / 2500 lbs	DN65	2 1/2"

C8	C.S.	PN400 / 2500 lbs	DN65	2 1/2"
S8	316 SS	PN400 / 2500 lbs	DN65	2 1/2"
X8	Duplex	PN400 / 2500 lbs	DN65	2 1/2"
K8	1.4539	PN400 / 2500 lbs	DN65	2 1/2"
H8	Hastelloy C	PN400 / 2500 lbs	DN65	2 1/2"

2. Order specification ITABAR-Flow-Sensor

Instrument connection and shut-off device

type IBR- 20, 21, 25, 26, 35, 36

type IBF- 20, 21, 35, 36, 65, 66, 100

instrument connection

A04	sensorhead with 1/4" NPT outside thread
A03	sensorhead with 1/2" NPT outside thread
A06	flange plate to direct mount a 3-valve manifold
A07	flange plate to direct mount a 5-valve manifold

shut-off device for effect pressure pipe.

A00	without shut-off-device
A55	ball valve PN40, case C.S. / female thread 1/2" NPT , packing: Teflon
A56	ball valve PN40, case 1.4401. / female thread 1/2" NPT , packing: Teflon
A57	ball valve PN40, case C.S. / female thread 1/4" NPT , packing: Teflon
A58	ball valve PN40, case 1.4401. / female thread 1/4" NPT , packing: Teflon
A59	shut-off valve 1/4" NPT, PN400, case C.S. / female thread 1/4" NPT packing: graphite
A60	shut-off valve 1/4" NPT, PN400, case 1.4401 / female thread 1/4" NPT packing: graphite
A61	shut-off valve 1/2" NPT, PN400, case C.S. / female thread 1/2" NPT packing: graphite
A62	shut-off valve 1/2" NPT, PN400, case 1.4401 / female thread 1/2" NPT packing: graphite
A63	shut-off valve 1/2" NPT, PN10, PTFE
A64	shut-off valve G 1/2", PVDF
A66	direct mount, with 3-valve manifold, PN400, case 1.4401 / packing: PTFE (only with A06)
A67	direct mount, with 3-valve manifold, PN10, case PTFE / packing: PTFE (only with A06)
A71	direct mount, with 5-valve manifold, PN400, case 1.4401 / packing: PTFE (only with A07)