

Technical data

Connection DN	DA 4.00, 4.10 DN 15 - 100 DA 4.30 DN 15 - 50
Connection G	DA 4.00 - 4.30 G 3/8 - 2
Nominal pressure PN	16 - 40
Temperature	280 °C
Medium	liquids, gases and steam

Description

Sight glasses without flow indicator may be used for easy checking of fill levels, consistency, bi- or multiphase flows or condensate. They may also be used for mixtures of liquids, gases and vapours. Flow indicators fitted with a vane can be used for monitoring the flow of liquids, gases and biphasic fluids. Flow indicators fitted with an impeller are used for liquids and small flow volumes.

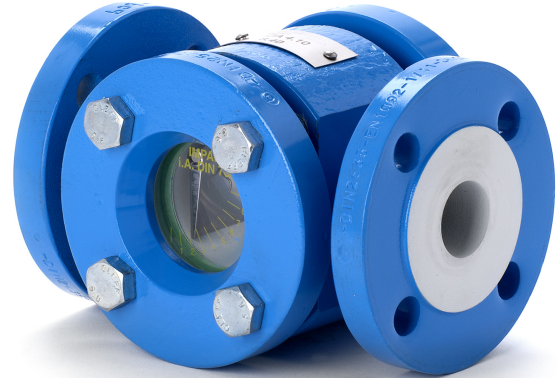
Standard

- » two borosilicate glasses
- » - without internal parts for easy visual inspection
installation position: any

Options

- » With internal indicator flag, for constant flow direction. One glass with a line scale of 1 - 10 for PN 16 up to DN 100 and for PN 40 up to DN 65, above without a scale. The sizes G 3/8 - G 1 or DN 15 - 25 are supplied as standard without return springs, subsequent installation is possible. All others are with resetting spring. Installation position:
 - with resetting spring any position
 - without resetting spring horizontal with flag downwards, vertical only with flow from below upwards
- » With impeller for constant flow direction
Temperature max. 80 °C
Installation position:
 - horizontal or vertical, for small flow rates ($v < 1$ m/s)
- » different materials for diaphragm and seals, suitable for your medium
- » Special materials such as Duplex, Superduplex, Hastelloy® or titanium, others on request
- » Special versions on request

Product



Picture similar

Technical specification

Sensitivity [m³/h]		
DN	indicator flag	impeller
15	0.18	0.12
20	0.18	0.15
25	0.18	0.20
32	1.20	0.25
40	1.20	0.30
50	1.50	1.20
65	1.50	-
80	2.50	-
100	5.00	-

sensitivity for water, 20 °C, horizontal installation, app. rate in m³/h

Materials

Materials		
Body	PN 16	steel
	PN 25 - 40	C-steel
	PN 16 - 40	stainless steel
seal	Nova Universal / Graphite	
Glasses	borosilicate glass	
Internals (optional)	indicator flag made of stainless steel / impeller made of PBTP	
Screws	5.6 zinced	

Dimensions and weights

Dimensions sleeve connection [mm]								
size	nominal diameter G							
	3/8	1/2	3/4	1	1 1/4	1 1/2	2	
A*	90	90	90	90	90	90	110	
B	70	70	70	70	70	70	90	
C	140	140	140	140	140	140	180	
E	115	115	115	115	115	115	150	
F	50	50	50	50	50	50	66	

Dimensions flange connection [mm]											
size	nominal pressure	nominal diameter DN									
		15	20	25	32	40	50	65	80	100	
A*	PN 16 steel	-	-	-	-	-	-	-	-	310	350
	PN 16 sst	164	168	168	172	178	202	290	on request		
	PN 25/40	166	170	170	174	180	206	290			
B	PN 16 - 40	70	70	70	70	70	90	90	110	125	
C	PN 16 - 40	140	140	140	140	140	180	180	220	250	
E	PN 16 steel	-	-	-	-	-	-	-	130	190	
	PN 16 sst	115	115	115	115	115	150	150	on request		
	PN 25/40	115	115	115	115	115	150	150			
F	PN 16 - 40	50	50	50	50	50	66	66	80	100	

*overall length tolerances in acc. with DIN EN 558

Weightssleeve connection [kg]								
nominal pressure	connection G							
	3/8	1/2	3/4	1	1 1/4	1 1/2	2	
PN 16	2.6	2.6	2.8	3	3	4	7	
PN 25/40	4.5	4.5	4.5	5	5	5	10	

Weightsflange connection [kg]										
nominal pressure	nominal diameter DN									
	15	20	25	32	40	50	65	80	100	
PN 16	4	4	5	6	7	10	13	17	26	
PN 25/40	6	7	8	9	9	15	15	on request		

Customs tariff number	
84818099	

Authorised Distributor:



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Please send us your enquiry and allow us to advise you. Special designs on request.
The pressure has always been indicated as overpressure. Mankenberg reserves the right to alter technical specifications without notice.

