

APPLICATION:

Manhole sightglass fittings are used to observe and illuminate the inside of closed vessels (boilers, tanks, silos, etc.). Manhole sightglass fittings can be used like a blind flange to close manholes and at the same time have a pressure-safe sightglass socket so that visual observation is possible even when the opening is closed.

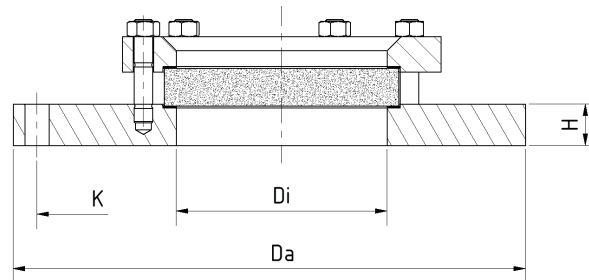
INSTALLATION NOTE:

Gaskets matching the sealing surfaces should be used. The screw material should be equivalent to or higher than that of the sight glass body. Always use screws that match the bore pattern. If possible, the screw thread and the screw heads should be lubricated.

For closing access and inspection openings

Operating conditions:

Temperature: (depending on glass and gasket)	up to 150 °C with Soda-lime glass according to DIN 8902 or similar up to 280 °C ¹ with Borosilicate glass according to DIN 7080 or similar	
Pressure:	6 / 10 / 16 ¹	bar(g)
¹ higher on request		



Materials:

Flange:	1.4571, 1.4541, 1.4404, 1.4539, 1.4301/7
Glass:	Borosilicate glass according to DIN 7080 or similar Soda lime glass according to DIN 8902 or similar
Gasket: ²	PTFE; FKM; NBR; C4400; Silicone; EPDM; Graphite
Screws:	A4/70
Special materials on request ² see INFO gaskets-leaflet	

DN ³	300	350	400	450	500	600	700	800
Di [mm]	175	225	280	280	325	325	325	325
H [mm]	PN6	23	25	28	31	33	37	47
	PN10	29	34	38	40	44	49	63
	PN16	36	45	50	54	60	68	79
Wt. [kg]	PN6	30	40	52	68	92	135	273
	PN10	38	58	75	92	128	187	394
	PN16	49	80	104	134	189	290	497
Da / K	Acc. to DIN EN 1092-1 PN 6 / 10 / 16							
³ Other sizes and Di on request								

PRODUCTCODE:

Group	TYPE	PN	DN	Baseflange*	Glass	Gasket	Variant
11	325	1: 6	300	1: 1.4539	1: Borosilicate glass (Boro) DIN 7080 or sim. 2: Soda-lime glass (SLG) DIN 8902 or sim. 4: Borosilicate glass DIN 7080 or sim. + PTFE wiper SGW 5: Borosilicate glass DIN 7080 or sim. + silicone wiper SGW 6: Soda-lime glass DIN 8902 or sim. + PTFE wiper SGW 7: Soda-lime glass DIN 8902 or sim. + silicone wiper SGW	1: PTFE 2: FKM 3: NBR 4: C4400 5: Silicone 6: EPDM 7: Graphite 8: Special	Assigned by ACI if required
		2: 10	350	2: 1.4571			
		3: 16	400	3: 1.4404			
			450	4: 1.4541			
		500	6: 1.4301/7				
		600	8: Special				
		700					
		800					

INFO: Unless otherwise stated, the factory standard highlighted is supplied.

*Cover flange according to quotation / order confirmation.

ACCESSORIES:

- Wiper SGW or SWII with PTFE or silicone wiper blade
- Spraying device SVI
- LED lights, for EX- and Non-EX-areas
- High temperature version on request
- O-ring seal (suitable for vacuum) ⁴
- FEP protective screen (for high pH-values)
- PLEXIGLAS® impact protection
- Grid impact protection
- Double glazing
- Mica protective screen (up to 320°C with borosilicate glass acc. DIN 7080 or similar)

⁴ depending on environmental variables

EXAMPLE:

11-2-325-600-2-1-4-0 equivalent to:

ACI Type 325

PN 10

DN 600

Base flange made of 1.4571

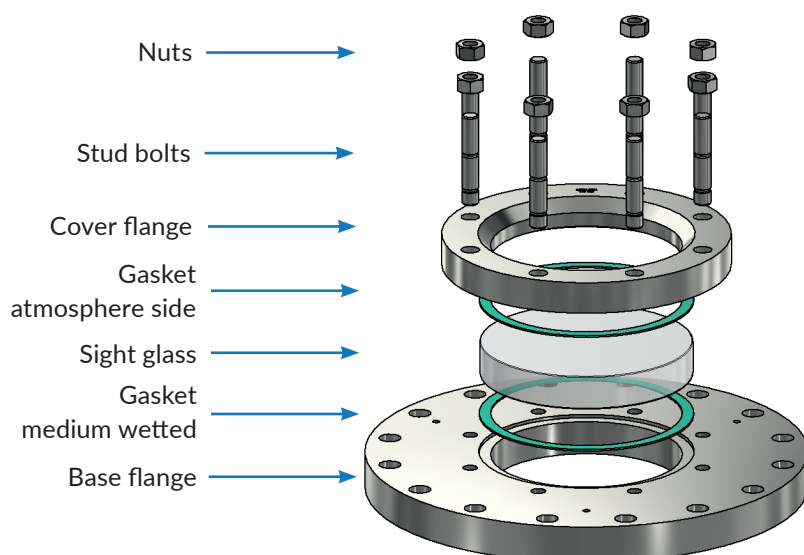
Cover flange made of 1.4571

Borosilicate glass acc. DIN 7080 or similar

Gasket C4400

Standard design

- more accessories optional


RECOMMENDATION:

For aggressive media or steam, mica discs should be used to protect the glass.

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Technical changes and errors reserved!

