

Sight Glass Series DIN 28121

Description

DIN 28121 Sight Glass Series DIN 28121 are secured with screws to welded flanges, collared flanges, or other supports. They consist of two flanges, a glass pane, and two gaskets, which are pre-assembled at the factory. Installation and dimensions comply with DIN 28121 standards.

Applications

Inspection of the interiors of tanks, vats, silos, agitators, separators, and similar enclosures..

Terms of Service

Pression : 10 bars, 25 bars, vide

Temperature: maximum 200°C with borosilicate glass
DIN 7080 (higher temperatures available upon request)

Potential configurations

Compatible with explosion-proof (ATEX) or standard projectors
Counter flanges featuring tapped holes for securing projectors

Certificates

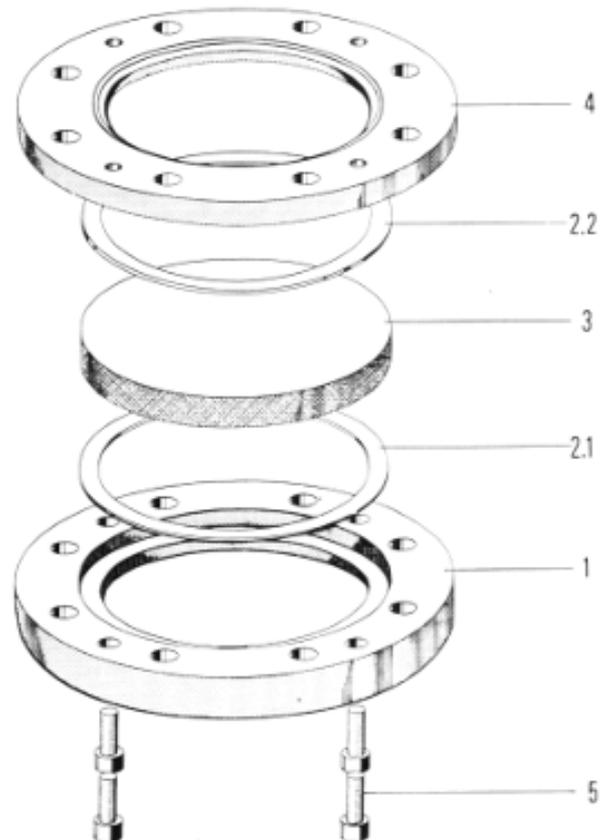
DIN EN 10204 3.1/3.2 (upon request)

Component Materials

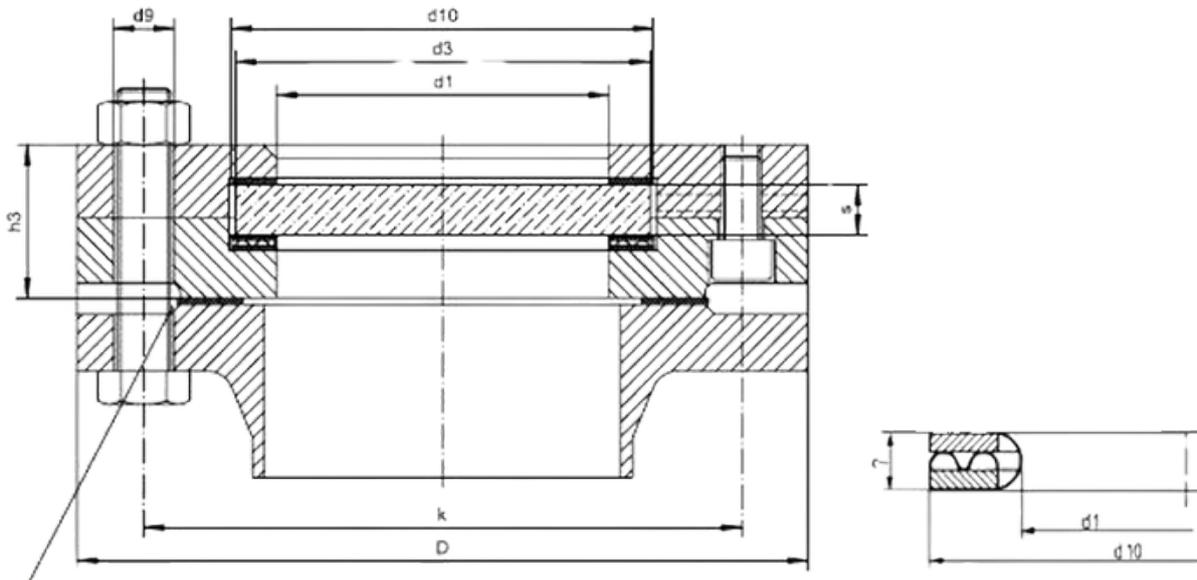
1. Lower flange: Stainless steel 1.4571 or alternative material upon request.
2. Seal (product side): PTFE with a corrugated support ring or KLINGERSil C-4400.
3. Seal (top side): PTFE with a corrugated support ring or KLINGERSil C-4400.
4. Borosilicate glass adhering to the DIN 7080 standard.
5. Counter flange: H II steel, 1.4571 stainless steel, or alternative materials available upon request.
6. Pre-assembly screws: Steel Class 5.6.

Montage:

Use the correct fixing bolts in accordance with the specifications outlined in the technical table. The unit is pre-compressed and ready for sealing on the flange.



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Nominal	DN	40	50	80	100	125	150	200
Nominal pressure	PN	10/25	10/25	10/25	10/25	10/25	10/25	10/25
Manhole diameter	d1	48	65	80	100	125	125	150
Seer disc	D3	63	80	100	125	150	150	175
	s	10/12	12/15	15/20	15/25	20/30	20/30	20/30
Flanges	D	150	165	200	220/235	250/270	285/300	340/360
	K	110	125	160	180/190	210/220	240/250	295/310
	H3	36/38	38/41	46/50	46/59	54/66	54/66	54/66
Upper flange	H1	Fri 10 - 16 Fri 25 - 16	Mon 10 - 16 Mon 25 - 16	Pn10 - 22 Pn25 - 22	Mon 10 - 22 Mon 25 - 24	Mon 10 - 24 Mon 25 - 28	Mon 10 - 24 Mon 25 - 28	Mon 10 - 24 Mon 25 - 28
Lower flange	H2	Fri 10 - 20 Fri 25 - 22	Pn10 - 22 Pn25 - 25	Pn10 - 24 Pn25 - 28	Pn10 - 24 Pn25 - 35	Pn10 - 30 Pn25 - 38	Pn10 - 30 Pn25 - 38	Pn10 - 30 Pn25 - 38
Securing bolts	N°	4	4	8	8	8	8	8/12
	Size	M16	M16	M16	M16/20	M16/24	M20/M24	M20/M24
Gaskets	D9	18	18	18	18 /22	18 /26	22/26	22/26
	D1	48	65	80	100	125	125	150
	D10	65	82	102	127	152	152	177

Flat Gaskets	CE 1935 - 2004	FDA	USP VI	87/88	USP 121°	THIS IS BSE	T°
EPDM	Option	Yes	Yes	Yes	Yes	Yes	-40/150°C
VITON	Option	Yes	/	/	/	/	200°C
PTFE	Option	Yes	Yes	/	Option	Yes	250°C
KLINGER SCREEN	/	/	/	/	/	/	250°C
TOP CHEM	Yes	Yes	/	/	/	/	260°C
GYLON	/	Yes	Yes	/	Option	Option	260°C
PGAC	Yes	Yes	/	/	/	/	-220/240°C
SILICONE	Option	Yes	Yes	/	/	/	200°C
GRAPHITE PSM	/	/	/	/	/	/	500°C

O-RING	CE 1935 - 2004	FDA	USP VI	87/88	USP 121°	THIS IS BSE	T°
EPDM	Yes	Yes	Yes	option	option	Yes	-40/150°C
VITON	Yes	Yes	Yes	/	/	/	200°C
VITON FEP	Yes	Yes	Yes	88	/	Yes	-20/200°C
SILICONE	Yes	Yes	Yes	Option	option	Yes	200°C
KALREZ	/	Yes	Yes	88	Yes	/	330°C

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