

Circular series, DIN 28120, lightweight, PN0 Composition

Flanges: Steel S235, P265GH, stainless steel 1.4404, 1.4307, 1.4435, 1.4539.
Gaskets: Klingersil C-4400, EPDM, silicone, PTFE.
Glass: Soda-lime glass, borosilicate glass, polycarbonate.
Fastening: DIN 933 screws.

Options

Lighting: ATEX or standard floodlights.
Accessories: Wiper, glass washer, O-ring.
Fastening: Counter-flange with tapped holes for floodlights or grille.

Mounting

1. Weld the lower flange.
2. Install the gaskets, glass, and counter-flange.
3. Tighten the screws in a crosswise pattern.

Applications

Internal observation: tanks, reactors, vessels, silos, agitators, separators, pipework.

Operating conditions

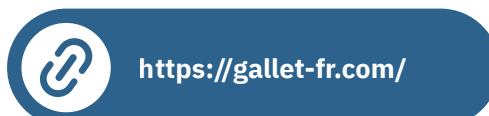
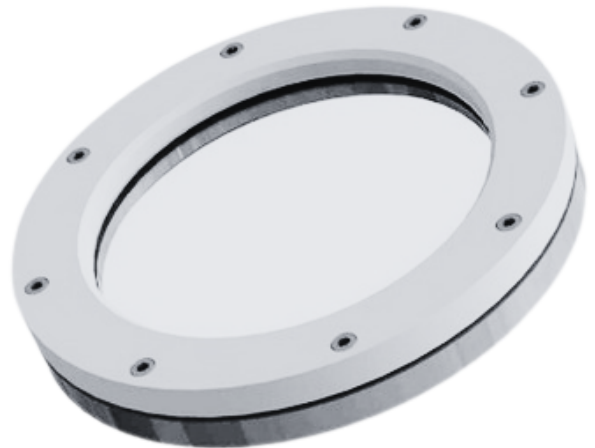
Pressure: Atmospheric.
Max. temperature: 280°C (borosilicate glass, DIN 7080);
150°C (soda-lime glass, DIN 8902).

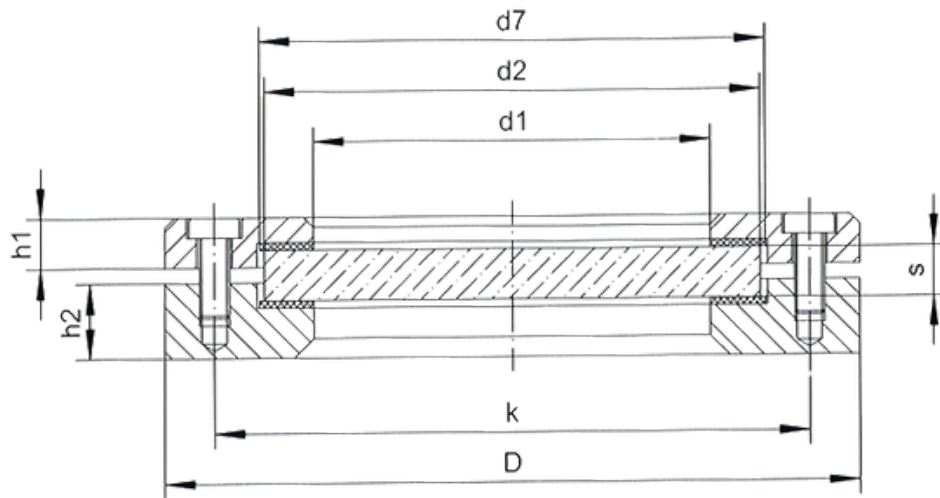
Certifications

Sight glass: Certificate 2.2.
Glass: Hydraulic pressure test.
Gaskets: FDA/USP depending on grade.

Customization

- Machined flanges on request.
- Fitting for welding onto tank shell.





Nominal Ø	DN	25	50	80	100	125	150	200
Viewing Ø	d1	50	80	100	125	150	175	225
PN		0	0	0	0	0	0	0
Glass	d2	63	100	125	150	175	200	250
	s	10	10	10	10	10	10	10
Flanges	D	100	140	165	190	215	240	290
	k	80	120	145	170	195	220	270
	h1	10	10	10	10	10	10	10
	h2	15	15	15	15	15	15	15
Assembly screws		4 M6 screws	4 M6 screws	8 M6 screws	8 M6 screws	8 M6 screws	8 M6 screws	8 M6 screws
Gaskets	d1	50	80	100	125	150	175	225
	d7	65	102	127	152	177	202	252

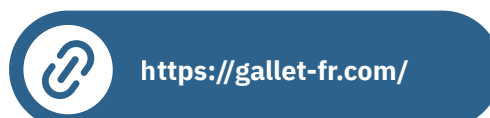
Examples of custom parts:



Atmospheric sight glass DN350 with bolt-on wiper



Atmospheric sight glass DN300, to be sealed/embedded



FLAT GASKET	CE 1935 - 2004	FDA	USP VI	87/88	USP 121°	TSE 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
KLINGERSIL	/	/	/	/	/	/	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°	TSE 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

