

Screw-in sight glass, MV series

Application:

Screw-in sight glass with welded collar, designed for observation in bioreactors, laboratory mixers, filters, reservoirs, separators, piping, and other enclosed vessels. Particularly suited to the pharmaceutical, agri-food (breweries, dairies, etc.) industries.

Operating conditions:

- Pressure: 6 bar (higher pressure on request), vacuum
- Maximum temperature:
- Standard mounting with flat gasket and flat sealing face: up to 280°C

Possible combinations:

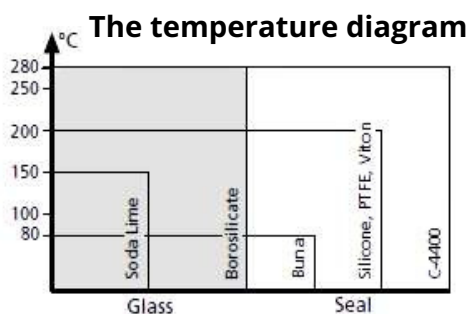
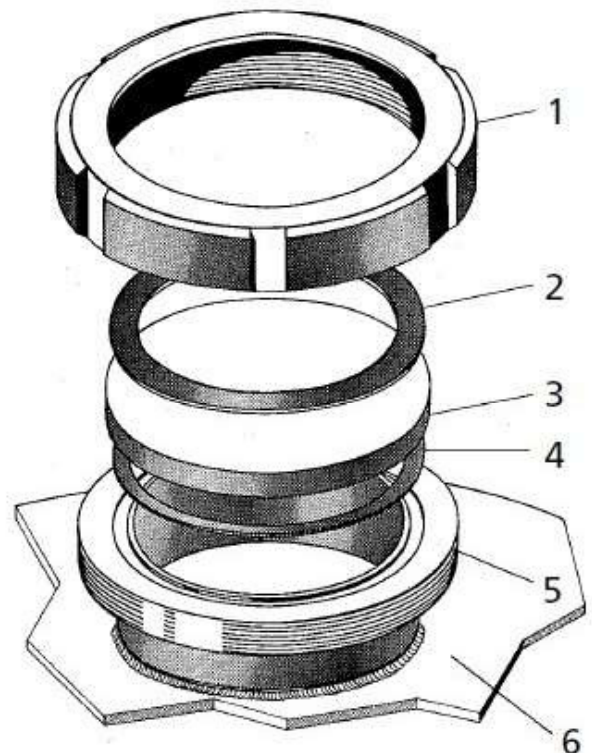
- Compatible with several Lumiglas floodlights
- Lumiglas SW1 wiper available for DN50 and above
- Floodlight + wiper combination possible from DN125

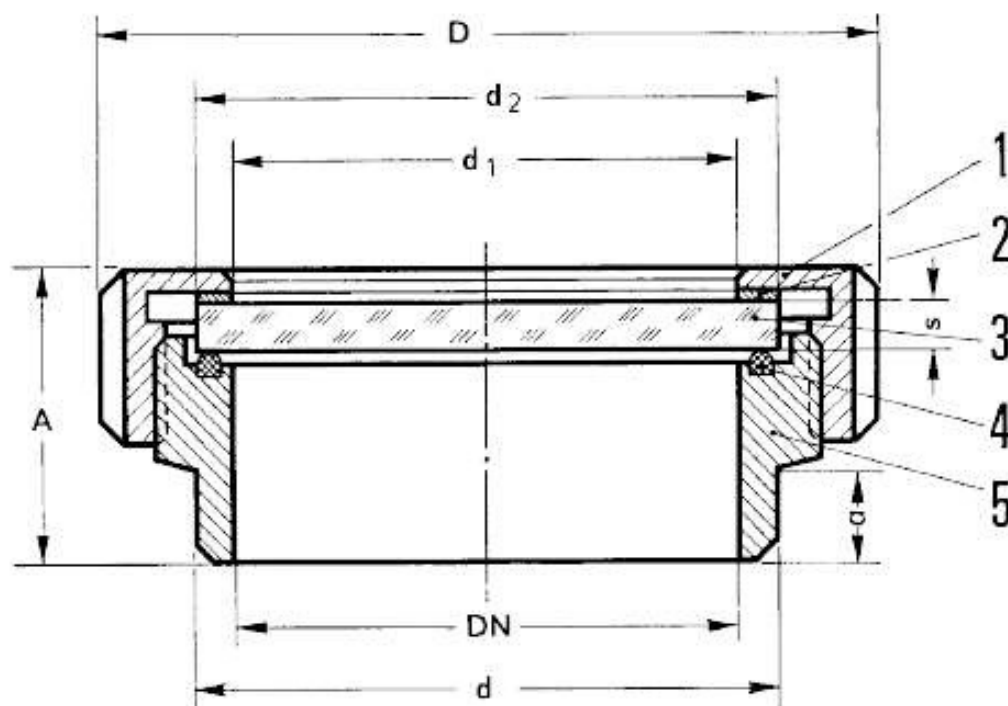
Possible configurations:

- Compatible with explosion-proof floodlights (ATEX) or standard floodlights
- Counter-flanges with tapped holes for mounting floodlights

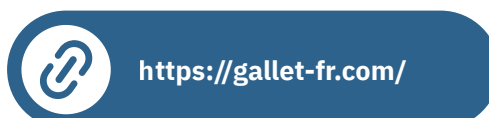
Components and materials:

1. Slotted nut: stainless steel 1.4301, 1.4307
2. Flat gasket: Klingersil C-4400
3. Sight glass:
 - Tempered soda-lime glass (DIN 8902) – max. temperature 150°C
 - Tempered borosilicate glass (DIN 7080) – max. temperature 280°C
4. O-ring: Viton, PTFE, Perbunan (NBR), silicone, EPDM
5. Weld-on nozzle: stainless steel 1.4301, 1.4307, 1.4404
6. Vessel wall: material as per application





Nominal Ø	DN	25	32	40	50	65	80	100	125	150
Viewing diameter	D1	26	32	38	50	66	81	100	125	150
Glass	D2	40	45	50	63	80	94	113	142	165
	S	10	10	10	12	12	12	15	15	15
Fitting	D	63	70	78	92	112	127	148	178	210
	d	29	35	41	53	70	85	104	129	154
	A	40	40	40	45	53	58	68	58	65
	a	12	16	16	19	21	23	33	19	19



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

