

Lumistar Aseptic Threaded Connection Type Sight Glasses LMV-S

For Screwed Sightglass Fittings similar to DIN 11851

Threaded brackets are weldable

According to DIN11864-1,

Sterile threaded tubes and sintered sight glass lenses are used for visual observation of the reaction process. Threaded brackets can be welded.

Scope of application:

It is used to observe the inside of bioreactors, laboratory mixers, filters, iron drums, oil tanks, agitators, separators, pipes and other similar closed vessels. Suitable for use in sterile areas and in the pharmaceutical and food industries.

Operating conditions :

Max. 25 bar, depending on the size of the unit, vacuum

Parts and optional materials, view right

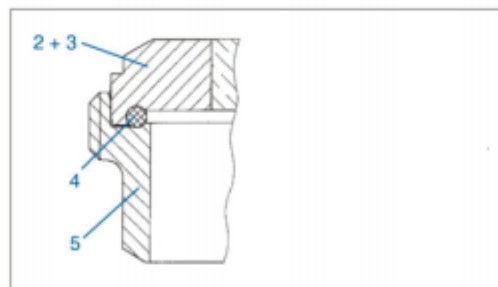
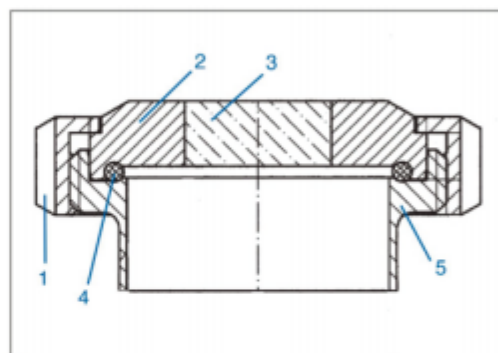
No.	Part name	material
1	Guide nuts	stainless steel 1.4301 (1.4307) or 1.4404
2	Sintered sight glasses	The material of the ring is selectable: 1.4462~280℃ 2.4602, 2.4605, 3.4610~280℃
3		Borosilicate glass max. 25 Bar
4	gasket	EPDM/HNBR/MVQ
5	Welded brackets	stainless steel 1.4404 or 1.4435

Installation

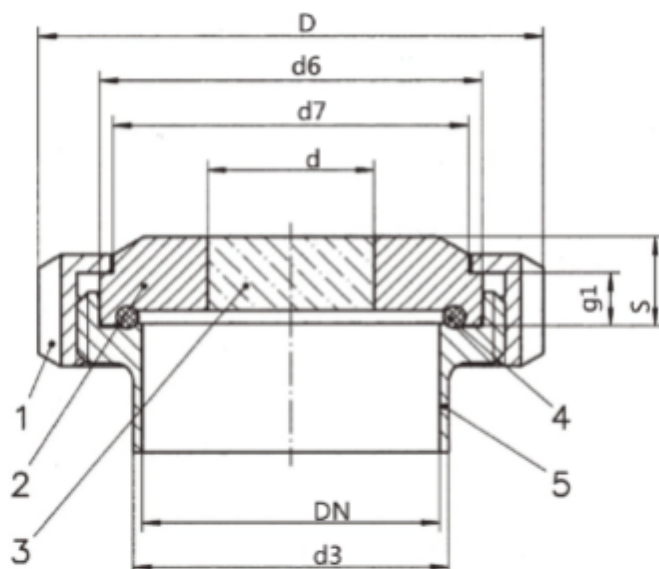
After the bracket (5) is welded to the container wall, the sealing ring (4) is sintered. The sight lens (2) and (3) are stacked sequentially as shown in the figure, and pass through the guide fix to the nut (1) and the welding bracket (5). Note: Please detect sintered vision lens (2, 3) and O-ring (4), whether or not mounted on the device (5). The exact location!



Lumistar sterile bolt-on sight glasses LMV-S



Schematic diagram of electrical data and dimensions of the Lumistar aseptic threaded connection sight glasses LMV-S



1	Nut
2	Sintered sight lenses
3	O-rings
4	Between the welds

		1	2	3	4	5
Nominal width	DN	40	50	65	80	100
device	D	78	92	112	127	148
device	d3	41	53	70	85	104
O-rings		40 x 5	52 x 5	68 x 5	83 x 5	102 x 5
Visible diameter	d	28	34	37	47	55
exterior - ϕ reverse side	d6	54,9	66,9	84,9	98,9	118,9
exterior - ϕ reverse side	d7	48	61	79	93	114
Total Strength	s	14	15	20	20	25
Strength	g1	10	11	12	12	15
Maximum pressure	bar	25	25	16	16	10

Combination

Can be combined with different aseptic technology Lumi spotlights, in hazardous and non-hazardous areas.

Ordering Guidelines

For example - sterile threaded mirrors, similar to DIN 11864.1

Nominal width: DN 80 PN, max. 16 bar, 300 ° C

Material: Whether sintered sight glasses need to provide adapters for sterile Rumi spotlights.