



LUMIGLAS

Round sight glass fitting PN 0 - pressureless

for welding in or on similar to DIN 28120

Type 317



APPLICATION:

Round sight glass fittings are used for observation and illumination of the interior of closed vessels (boilers, tanks, silos, etc.).

Sight glass fittings type 317 are round flanged sockets for welding in or on, each completed with a sight glass plate inserted between the gaskets and screwed firmly.

INSTALLATION NOTE:

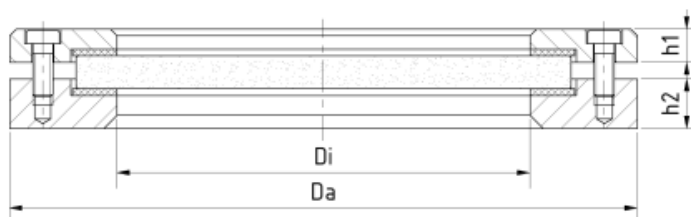
After welding the base frame to the pressure vessel, check whether the sealing surface has warped. Reworking may be required! Also observe the specified torques for the screw connections!

The operating pressure does not apply to the base flange, this must be verified together with the pressure vessel according to AD 2000 instruction leaflet B9 or equivalent code!

Similar to DIN 28120
for pressureless
operation

Operating conditions:

Temperature: (depending on glass and gasket)	up to 150 °C with Soda-lime glass DIN 8902 up to 280 °C with Borosilicate glass according to DIN 7080 or similar up to 400 °C with Borosilicate glass unhardened
Pressure:	≤ 0,49 bar(g)
higher temperatures on request	



Materials:

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

DN	50	80	100	125	150	200	300	400
Da [mm]	140	165	190	215	240	290	370	450
Di [mm]	80	100	125	150	175	225	300	370
h1 [mm]	10	10	10	10	10	10	15	20
h2 [mm]	15	15	15	15	15	15	20	25
Weight [kg]	2,0	2,8	3,2	4,3	5,1	6,8	12,2	23,0

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**Type
317**

PRODUCTCODE:

Group	TYPE	DN	Base flange*	Glass	Gasket	Variant
11	317	50 80 100 125 150 200 300 400	1: 1.4571	1: Borosilicate glass (Boro) DIN 7080 2: Soda lime glass (SLG) DIN 8902 3: Quartz glass 4: Boro DIN 7080 + PTFE - wiper SGW 5: Boro DIN 7080 + silicone - wiper SGW 6: SLG DIN 8902 + PTFE - wiper SGW 7: SLG DIN 8902 + silicone - wiper SGW 8: Borosilicate glass unhardened	1: PTFE 2: FKM 3: NBR 4: C4400 5: Silicone 6: EPDM 7: Graphite 8: Special	G00: Boro with Mica shield Assigned by LUMISTAR if required

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

*Cover flange according to quotation / order confirmation.

ACCESSORIES:

- a) Wiper SGW with PTFE or silicone wiper blade
- b) LED lights for EX- and Non-EX-areas
- c) Mica protection (up to 320 °C with borosilicate glass DIN 7080)

EXAMPLE:

11-317-100-1-1-4-000 equivalent to:
LUMISTAR Type 317

DN 100

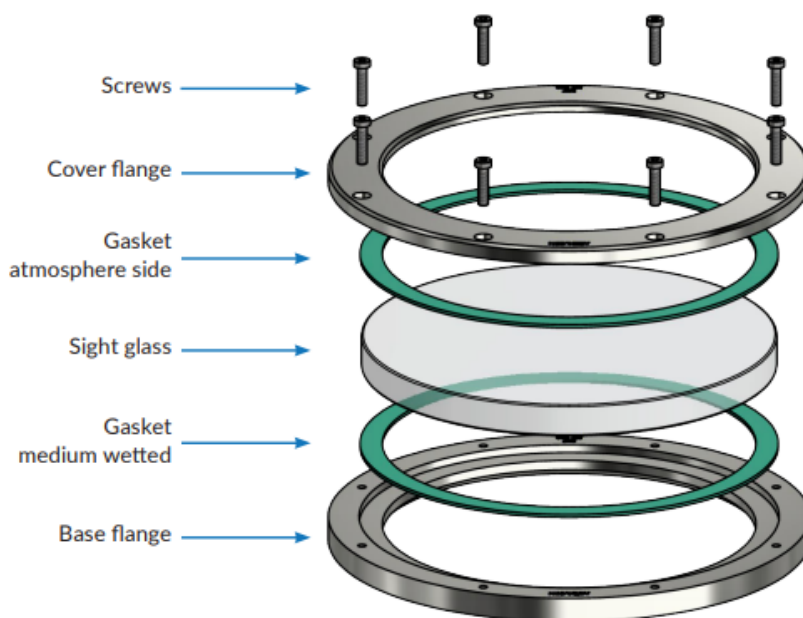
Base flange made of 1.4571

Cover flange made of 1.4571

Borosilicate glass DIN 7080

Gasket C4400

Standard design



RECOMMENDATION:

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