

Oval design with 50 mm wide viewing window

USE:

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

Sight glass fittings type 338 are oval longitudinal sight glass fittings for welding in or on, each completed with a sight glass plate inserted between the gaskets and screwed firmly.

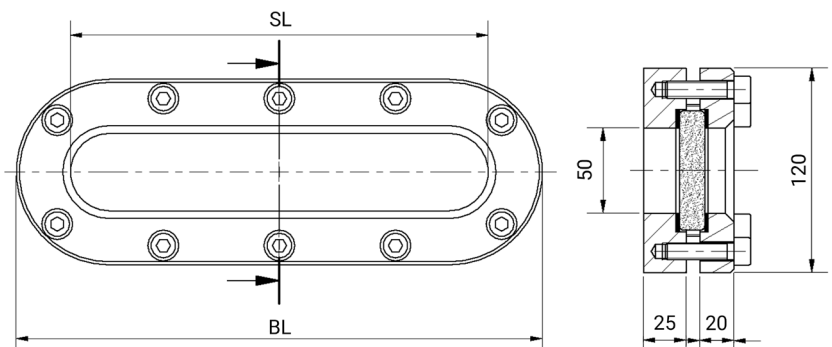
INSTALLATION INSTRUCTIONS:

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 according to the operation and maintenance manual!

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

OPERATING CONDITIONS		
Temperature: (depending on glass and gasket)	≤ 280°C	Borosilicate glass transparent similar to DIN 7081
	> 280°C	on request
Pressure:	≤ 16 bar(g)	

DRAWING:



MATERIALS	
Base frame:	1.4571; 1.4404
Glass:	Borosilicate glass transparent similar to DIN 7081
Gasket: ¹	PTFE; FKM; NBR; C4400; Silicone; EPDM; Graphite
Screws:	A4-70
Special materials on request	

BL [mm]	270	340	410	480	550	620
SL [mm]	200	270	340	410	480	550
Weight [kg]	7,2	9,0	10,9	12,7	14,5	16,3

1) See „INFO-gasket“ leaflet

PRODUCT CODE:

Example to explain the code composition

11 - 338 - 480 - 2 - 1 - 4 - 000

GROUP	TYPE	OVERALL LENGTH	BASE FRAME ¹	GLASS	GASKET	VARIANT
11	338	270	2) 1.4571	1) Borosilicate glass transparent similar to DIN 7081	1) PTFE	000) Standard
		340	3) 1.4404	6) Special	2) FKM	
		410	8) Special		3) NBR	
		480			4) C4400	
		550			5) Silicone	
		620			6) EPDM	
					7) Graphite	
					8) Special	

1) Cover frame according to quotation/order confirmation



Unless otherwise stated, the highlighted factory standard is supplied.

EXAMPLE:

11-338-480-2-1-4-000 equivalent to:

ACI Type 338

480 mm overall length

Base frame made of 1.4571

Cover frame made of 1.4571

Borosilicate glass transparent, similar to DIN 7081

Gasket C4400

Standard version

- Special lengths on request

- other equipment optional

CONSTRUCTION:

Screws

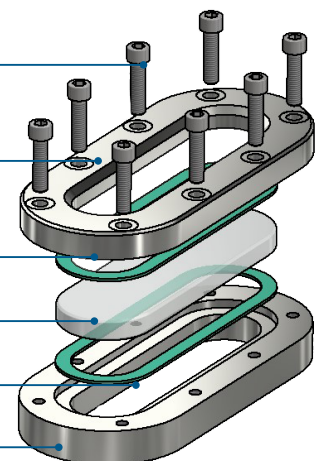
Cover frame

Gasket (on the atmosphere side)

Sight glass

Gasket (on the media side)

Base frame



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

QUICK OVERVIEW:



PN 16
≤ 16 bar(g)



heat-resistant up to
280 °C



for liquid
media



for gaseous
media



Overall length
BL 270 up to 620



Customized products
possible



> 50 gasket
materials



Additional equipment
available

OPERATING CONDITIONS:

Operating conditions depend on the
choice of glass and gaskets:

		SIGHT GLASS	GASKETS						
		Borosilicate glass transparent, similar to DIN 7081	PTFE max. 200 °C	FKM max. 200 °C	NBR max. 80 °C	C4400 max. 175 °C	Silicone max. 180 °C	EPDM max. 130 °C	Graphite > 400 °C
TEMPERATURE	up to 80 °C	✓	✓	✓	✓	✓	✓	✓	✓
	up to 130 °C	✓	✓	✓	✗	✓	✓	✓	✓
	up to 150 °C	✓	✓	✓	✗	✓	✓	✗	✓
	up to 175 °C	✓	✓	✓	✗	✓	✓	✗	✓
	up to 200 °C	✓	✓	✓	✗	✗	✗	✗	✓
	up to 280 °C	✓	✗	✗	✗	✗	✗	✗	✓
	> 280 °C	on request	on request						
PRESSURE	up to 3 bar (g)	✓	✓	✓	✓	✓	✓	✓	✓

✓ suitable ✗ unsuitable

OPTIONAL EQUIPMENT:



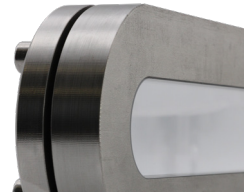
Mica discs

- > up to 300°C with borosilicate glass
DIN 7081 transparent



Nearly cavity-free design

- > with stepped glass



FEP protective screen/ coating

- > for high pH values

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