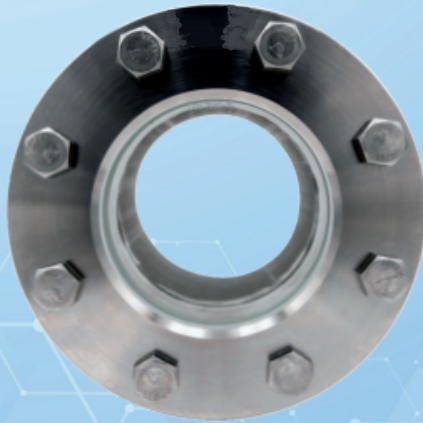




LUMIGLAS

Round sight glass fitting PN 16 - PN 40 pipe adapter For welding onto pipelines

Type
391



APPLICATION:

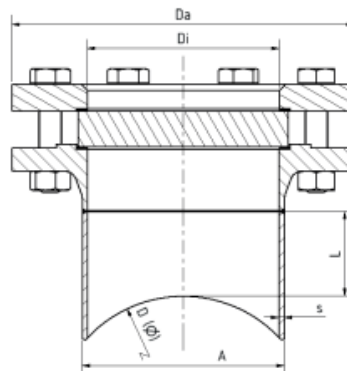
Round sightglass fittings are used to observe and illuminate the inside of pipelines. Sight glass fittings type 391 are round flange mountings according to DIN EN 1092-1 with pipe attachment for welding onto pipelines.

INSTALLATION NOTE:

After welding on the base flange, check whether the sealing surfaces have warped! If necessary, they must be reworked! Also observe the specified torques for the screw connection according to the operating and maintenance instructions.

With pipe attachment for welding onto the medium-carrying pipe

Operating conditions:		
Temperature: (depending on glass and gasket)	up to 280 °C with Borosilicate glass acc. to DIN 7080 or similar	
Pressure:	≤ 16 up to 320	bar(g)
Low temperature use and higher temperatures / pressures on request		



D = Nominal size of the medium-carrying pipe

Materials:	
Flange:	1.4571; 1.4404; 1.4539; 1.4435; 1.4541; 1.4301/7; 1.4876; 1.4828; 2.4602; 2.4610
Glass:	Borosilicate glass acc. to DIN 7080 or similar
Gasket: ¹	PTFE; FKM; NBR; C4400; Silicone; EPDM; Graphite
Screws:	A4-70 / A2-70
Special materials on request	
¹ See INFO gaskets-leaflet	

DN	100	125	150	200	300	350
Da (PN16) [mm]	220	250	285	340 ²	460 ³	520 ³
Wt (PN16) [kg] ⁴	10,5	14,5	18,6	28,2	55,7	78
Da (PN25/40) [mm]	235	270	300	375		
Wt. (PN25/40) [kg] ⁵	14,8	21,1	27,5	52,6		
Di [mm]	107	132	160	207	310	340
L [mm] (Standard)	70	70	70	70	70	70
s [mm]	3,6	4	4,5	6,3	7,1	8
A [mm]	114,3	139,7	168,3	219,1	232,9	355,6

² PS max. 10 bar(g) ³ PS max. 6 bar(g)

⁴ depending on size of D and L

⁵ for PN 40, smaller for PN 25 and depending on size of D and L



Round sight glass fitting PN 16 - PN 40 pipe adapter

For welding onto pipelines

Type 391

PRODUCTCODE:

Group	TYPE	DN	D (Ø)	PN	Flange*	Glass	Gasket	Variant
11	391	1: 100 2: 125 3: 150 4: 200 5: 250 5: 300 7: 350 8: 400 9: Special	1: 125 2: 150 3: 200 4: 250 5: 300 6: 350 7: 400 8: 450 9: 500 10: 600 ... 14: 1000 15: Special	1: 16 2: 25 3: 40 5: Special	2: 1.4571 3: 1.4404 6: Special	1: Borosilicate glass (Boro) acc. to DIN 7080 or similar 6: Boro with PTFE wiper	1: PTFE 2: FKM 3: NBR 4: C4400 5: Silicone 6: EPDM 7: Graphite 8: Special	Assigned by LUMISTAR if required

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

*Base flange acc. to product code, cover flange according to quotation / order confirmation.

SPECIAL DESIGNS/OPTIONS:

- a) High and low temperature version on request
- b) Vacuum version (390V)
- c) Wiper SGW
- d) LED lights, for EX and Non-EX areas
- e) FEP protective screen (for higher pH-values)
- f) Mica protection (up to 320 °C with borosilicate glass acc. to DIN 7080 or similar)

ATTENTION!

The pressure-temperature limits according to DIN EN 1092-1 apply!

RECOMMENDATION:

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

EXAMPLE:

11-391-1-8-1-2-1-1-0 equivalent to:

LUMISTAR Type 391

DN 100 sight glass

DN 500 of medium-carrying line

PN 16

Base flange and pipe adapter made of 1.4571

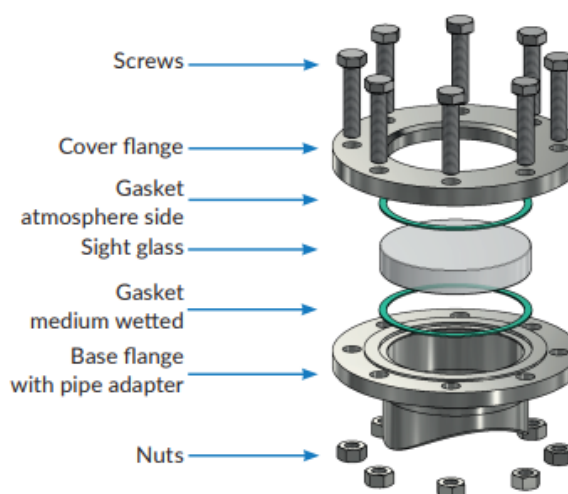
Cover flange made of 1.4571

Borosilicate glass acc. to

Gasket PTFE

Standard design

- additional designs optional



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