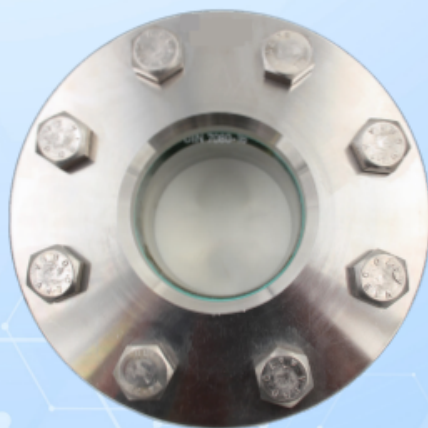


Round sight glass fitting PN 16 - vacuum

Welding neck acc. to DIN 1092-1 Type 11

**Type
390V**



APPLICATION:

Round sight glass fittings are used for observation and illumination of the interior of closed vessels (boilers, tanks, silos, etc.) or pipelines for **vacuum applications**. Sight glasses of Type 390V are round flanged fittings with welding neck according to DIN EN 1092-1 for welding on. Each completed with a sight glass plate inserted between the gaskets and screwed firmly.

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 welding neck according to DIN 1092-1 Type 11

Operating conditions:

Temperature: (depending on glass and gasket)	up to 200 °C with Borosilicate glass acc. to DIN 7080 or similar
Pressure:	≤ -0,9 ¹ up to 16 bar(g)
¹ Depending on environmental variables Low temperature use and higher temperatures / pressures on request	

ATTENTION!

The pressure-temperature limits according to DIN EN 1092-1 apply to the sightglass fitting type 390V!

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: ²	PTFE; FKM; NBR; Silicone; EPDM
Screws:	A4-70 / A2-70
Special materials on request ² See INFO gaskets-leaflet	

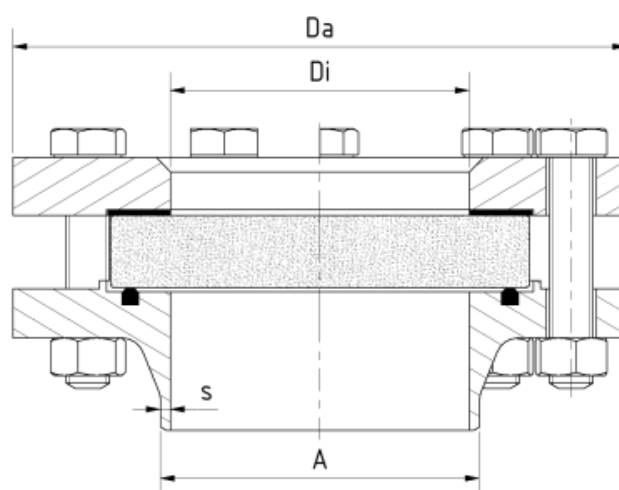
Round sight glass fitting PN 16 - vacuum

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**Type
390V**

PN	DN	Da [mm]	Di [mm]	A [mm]	s [mm]	Sealing ring design	Weight [kg]
16	15	95	17	21,3	2	D-Ring DIN 11851	1,6
	20	105	22	26,9	2,3	D-Ring DIN 11851	2,3
	25	115	28	33,7	2,6	D-Ring DIN 11851	2,7
	32	140	37	42,4	2,6	D-Ring DIN 11851	4,0
	40	150	43	48,3	2,6	O-Ring	4,4
	50	165	54	60,3	2,9	O-Ring	5,3
	65	185	70	76,1	2,9	D-Ring DIN 11851	6,5
	80	200	83	88,9	3,2	D-Ring DIN 11851	8,4
	100	220	107	114,3	3,6	D-Ring DIN 11851	9,8
	125	250	132	139,7	4	D-Ring DIN 11851	13,3
	150	285	160	168,3	4,5	O-Ring	17,1
PS 10*	200	340	207	219,1	6,3	O-Ring	25,1
PS 6*	250	405	260	273	6,3	O-Ring	37,4
PS 6*	300	460	310	323,9	7,1	O-Ring	49,3
PS 6*	350	520	340	355,6	8	O-Ring	70

*max. operating pressure 6 bar(g) resp. 10 bar(g) for these nominal sizes



Round sight glass fitting PN 16 - vacuum

Welding neck acc. to DIN 1092-1 Type 11

Type 390V

PRODUCTCODE:

Group	TYPE	DN	PN	Base flange*	Glass		Gasket	Variant
11	390V	1: 15 2 :20 3: 25 4: 32 5: 40 6: 50 7: 65 ... ³ 13: 250 14: 300 15: 350	1: 16 2: Special	2: 1.4571 3: 1.4404 4: 1.4301/7 5: 1.4539 6: 1.4462 7: 1.4435 8: 1.4541 9: Special	1: 6:	Borosilicate glass (Boro) acc. to DIN 7080 or similar Boro with PTFE wiper	1: PTFE 2: FKM 3: NBR 5: Silicone 6: EPDM 8: Special	Assigned by LUMISTAR if required

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

*Cover flange according to quotation / order confirmation.³ See table on page 2

SPECIAL DESIGNS/OPTIONS:

- a) Low temperature design on request
- b) High pressure design (Type 390)
- c) Wiper SGW
- d) LED lights, for EX and Non-EX areas
- e) Thread connection (Type 392)
- f) Pipe connection (Type 391)

EXAMPLE:

11-390V-13-1-2-1-1-0 equivalent to:

LUMISTAR Type 390V

DN 200

PN 16

Base flange made of 1.4571

Cover flange made of 1.4571

Borosilicate glass acc. to DIN 7080 or similar

Gasket PTFE o-ring

Standard design

- additional designs optional



Version g) (Type 392)



Version h) (Type 391)

