

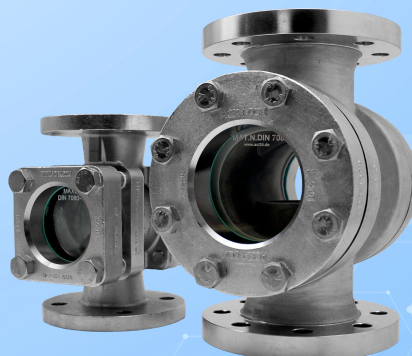


ACI
INDUSTRIEARMATUREN

Vacuum sight glass type 550V PN 16 - DIN 11869 (old DIN 3237)

With flange connections
according to DIN 1092-1

Type 550V



With flange connections suitable for ASME B16.5
Class 150 or 300 lbs

USAGE

For observing filling and flow in pipelines. The sight glass enables reliable monitoring of the function and performance of individual devices as well as entire systems. Type 550V flow sight glasses are suitable for installation on flanges according to DIN EN 1092-1. The sight glasses are delivered pre-assembled and ready for installation.

Operating conditions:

Temperature:	150 °C Soda-lime glass DIN 8902
(depends on glass and gasket)	200 °C ¹ Borosilicate glass DIN 7080
Pressure:	-0.998 to 16 barg

1) Limited by the sealing system (novaflon® 500)

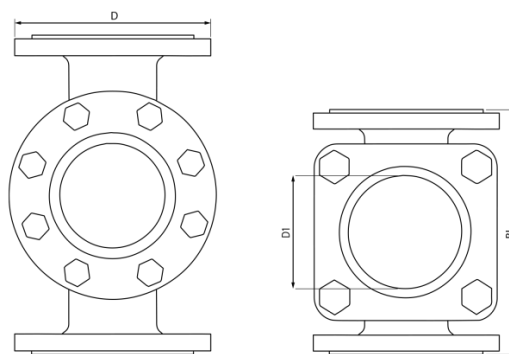
Materials:

Flange/Body:	1.4408
Glass:	Borosilicate glass DIN 7080 Soda-lime glass DIN 8902 Borosilicate glass untempered
Gasket:	Graphite; C4400; PTFE; FKM; NBR; Silicone; EPDM;
Bolts:	A2-70 / A4-70
Special materials on request	

INSTALLATION NOTE

Gaskets should be used that fit exactly to the sealing surfaces. The screw material should correspond to or be of higher quality than that of the sight glass body. Screws must match the drilling pattern of the flanges. Threads and screw heads should be treated with lubricants as much as possible. Flow sight glasses must be installed free of stress – pipe forces, vibrations, and pressure shocks must not affect the fitting.

DRAWING



EXECUTION

DN 15 – 50 Rectangular flanges
DN 65 – 200 Round flanges



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DN	15	20	25	32	40	50	65	80	100	125 ²	150 ²	200 ²
D (PN16)	95	105	115	140	150	165	185	200	220	250	285	340
BL	130	150	160	180	200	230	290	310	350	400	480	600
D1	32	32	48	48	65	80	80	100	125	150	175	175
2) According DIN 11869												



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PRODUCT CODE

Example for Explaining the Code Composition

11 - 550V - 6 - 2 - 3 - 1 - 18 - 0

GROUP	TYPE	DN	PN	BODY	GLASS	GASKET	VARIANT
11	550V	1) 15	1) 10	3) 1.4408	1) Borosilicate glass DIN 7080	18) novaflon® 500	0) Standard variant
		2) 20	2) 16	8) Special	2) Soda-lime glass DIN 8902		
		3) 25			4) META® glass		
		4) 32			8) Special		
		5) 40					
		6) 50					
		7) 65					
		8) 80					
		9) 100					
		10) 125					
		11) 150					
		12) 200					

INFO: Unless otherwise specified, the highlighted factory standard will be delivered.



Flow sight glass with flange connections suitable to
ASME B16.5

EXAMPLE

The product code **11-550V-6-2-3-1-18-0**
corresponds to the standard version:

ACI type 550V

Nominal size DN 50

Nominal pressure PN 16 (-0.998 to 16
barg)

Body & cover flanges made of 1.4408

Borosilicate glass DIN 7080

Gaskets:

On the media side novaflon® 500

On the atmosphere side novaflon® 500

Screws: A4-70



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QUICK OVERVIEW



-0.998 to 16 barg



-60°C to 200°C



for liquid media



for gaseous media



Nominal diameters
DN 15 - 200



Accessories available



TÜV pre-tested

OPERATING CONDITIONS

		SIGHT GLASS		GASKETS
		Soda-lime glass DIN 8902	Borosilicate glass DIN 7080	novafon® 500 max. 200 °C
TEMPERATURE	up to 80 °C	✓	✓	✓
	up to 130 °C	✓	✓	✓
	up to 150 °C	✓	✓	✓
	up to 175 °C	✗	✓	✓
	up to 200 °C	✗	✓	✓
PRESSURE	up to 16 barg	✓	✓	✓

✓ suitable ✗ unsuitable



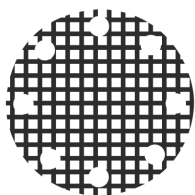
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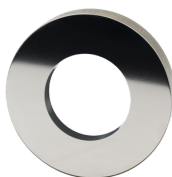
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OPTIONAL ACCESSORIES



Grid impact protection window



Metal fused safety sight glass

> for safety applications



LED lights

> for Ex and non-Ex areas

NOTE !



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

Our tool with the same name is available on our website.
(www.aci24.com, under Service, sub-item Tools)



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