



#### APPLICATION:

For observation of filling and flow in pipelines. This sight glass allows reliable monitoring of the function and performance of individual equipment as well as entire installations.

Type 550S flow sight glasses are designed for direct welding into pipelines. The sight glasses are supplied pre-assembled and ready for installation.

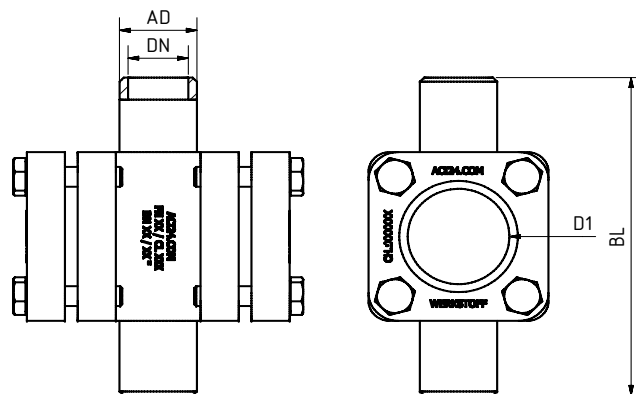
#### INSTALLATION NOTE:

After the base body has been welded in, check whether the sealing surfaces have warped! If necessary, rework must be performed! For the welding process it is advisable to weld in the sight glass in the disassembled state or use low heat exposure. In case of non-compliance, the glasses can be damaged. Note the torques required for assembly!

With welding ends  
similar to DIN 3237  
( $\Delta P \leq 10 / 16 / 25 / 40$  bar)

#### Operating conditions:

Temperature: (depending on glass and gasket)	150 °C 280 °C
Pressure:	$\leq 10 / 16 / 25 / 40$ Bar



#### Materials:

Body:	GG25; GS-C 25; 1.4408
Glass:	Borosilicate glass DIN 7080 Soda lime glass DIN 8902
Gasket:	PTFE; FKM; NBR; C4400; Silicone; EPDM; Graphite
Screws:	A4-70
Special materials on request	

DN	15	20	25	32	40
AD	22	28	34	42	49
BL	100	100	120	120	160
D1	32	32	48	48	65

With welding ends similar to DIN 3237

## VARIANTS:

### ROTOR PLASTIC (120°C) OR PTFE (260°C):

A liquid flow is indicated through rotation of the rotor. As a result, flow control is much easier and quicker to detect.



### FLAP MADE OF 1.4571:

A liquid flow is indicated by opening and moving the flap. In this way it is easier and quicker to check the flow rate.



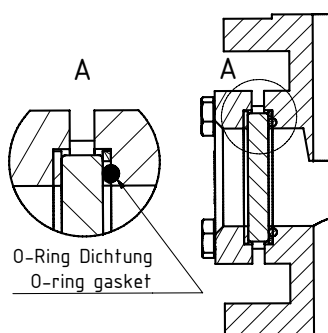
### VACUUM VERSION WITH O-RING:

In the case of vacuum, there is a risk whereby the gasket can be pulled inwards and the external medium can enter the valve. For medium vacuum, a PTFE seal should be used, for higher vacuum, an O-ring seal made of Viton is required.



### DOUBLE GLAZING:

Double glazing ensures additional safety in the case of damage to the inner glass. The additional glass prevents distribution of medium and possible glass splinters in case of damage or even destruction of the inner glass.



All pictures are exemplary for Type 550S and symbolize only the variant version.

Technical changes and errors reserved!



# Flow sight glass PN 10 to 40

With welding ends similar to DIN 3237

## Type 550S

### PRODUCTCODE:

Group	TYPE	DN	PN	Body*	Glass	Gasket	Variant
11	550S	1: 15 2: 20 3: 25 4: 32 5: 40 13: Special	0: 10 1: 16 2: 25 3: 40	1: GS-C25 2: <b>1.4408</b> 8: Special	1: <b>Borosilicate glass (Boro) DIN 7080</b> 2: Soda lime glass (NKG) DIN 8902 3: Quartz-glas 4: META®-Glas 8: Special	1: PTFE 2: FKM 3: NBR 4: <b>C4400</b> 5: Silicone 6: EPDM 7: Graphite 8: Special	0: Standard variant 1: Rotor PTFE (260°C) 2: Rotor plastic (120°C) 3: Flap 1.4571 4: Vacuum version 5: Double glazing G. Mica  Assigned by ACI if required

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

\* Cover flanges made of body material or according to quotation / order confirmation

### SPECIAL DESIGNS/OPTIONS:

- a) Rotor made of PTFE or plastic
- b) Flap made of 1.4571
- c) Vacuum version with O-ring
- d) double glazing
- e) LED or halogen lights, ATEX-certified, EX certified
- f) Other options on request

### EXAMPLE:

**11-550S-5-1-2-1-7-1 equals the product code:**

ACI Type 550S  
DN 40  
PN 16  
body 1.4408  
borosilicate glass  
gasket graphite  
with PTFE rotor

### RECOMMENDATION:

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