



Flow sight glass with welding connections

USAGE

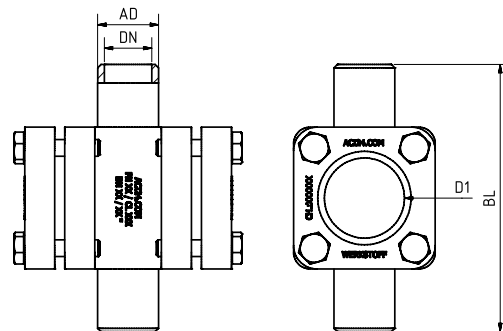
Flow sight glasses of type 550S are used to observe filling levels and flow in pipelines.

They enable reliable monitoring of the function and performance of individual devices as well as complete systems.

INSTALLATION NOTE

When welding the fitting, it is important to ensure that no uncontrolled temperature input occurs in sensitive components. Especially the sight glass plates must be protected from thermal stress, mechanical damage, as well as from weld beads and splashes. Suitable protective measures such as thermal insulation, covers, or splash guard devices should be used accordingly.

DRAWING



Operating conditions:	
Temperature: (depending on glass and gasket)	150 °C Soda-lime glass DIN 8902 280 °C Borosilicate glass DIN 7080 300 °C Borosilicate glass DIN 7080 protected by mica
Pressure:	≤ 16 / 25 / 40 barg

Materials:	
Cover flange / body:	1.4408
Glass:	Borosilicate glass DIN 7080 Soda-lime glass DIN 8902
Gasket:	Graphite; C4400; PTFE; FKM;
Screws:	A4-70

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

PRODUCT CODE

Example for Explaining the Code Composition

11 - 550S - 3 - 1 - 2 - 1 - 4 - 000

GROUP	TYPE	DN	PN	BODY	GLASS	GASKET	VARIANT
11	550S	1) 15	1) 16	2) 1.4408	1) Borosilicate glass DIN 7080	1) PTFE	000) Standard variant
		2) 20	2) 25		2) Soda-lime glass DIN 8902	2) FKM	001) Rotor PTFE (260°C)
		3) 25	3) 40			4) C4400	G00) Mica
		4) 32				7) Graphite	
		5) 40					



Unless otherwise stated, the highlighted factory standard will be delivered.

EXAMPLE

The product code **11-550S-3-1-2-1-4-000** corresponds to the standard version:

ACI type 550S

DN 25 welding ends Ø 34 mm

PN 16

Body 1.4408

Cover flanges 1.4408

Borosilicate glass DIN 7080

Gasket KlingerSil® C4400



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

QUICK OVERVIEW



max. 40 barg



heat resistant up to 300 °C



for liquid media



for gaseous media



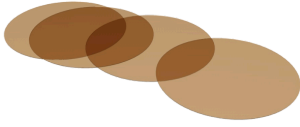
Nominal sizes
DN 15 - 40

OPERATING CONDITIONS

		SIGHT GLASS			GASKETS		
		Soda-Lime-Glass DIN 8902	Borosilicate glass DIN 7080	PTFE max. 200 °C	FKM max. 200 °C	C4400 max. 175 °C	Graphite > 300 °C
TEMPERATURE	up to 150 °C	✓	✓	✓	✓	✓	✓
	up to 175 °C	✗	✓	✓	✓	✓	✓
	up to 200 °C	✗	✓	✓	✓	✗	✓
	up to 280 °C	✗	✓	✗	✗	✗	✓
	> 280 °C	On request					
PRESSURE	up to 16 barg	✓	✓	✓	✓	✓	✓
	up to 25 barg	✓	✓	✓	✗	✓	✓
	up to 40 barg	✓	✓	✓	✗	✓	✓

✓ suitable
 ✗ unsuitable

OPTIONAL ACCESSORIES



Round mica discs

- > up to 320 °C with Borosilicate glass
DIN 7080