



With internal thread BSP or NPT

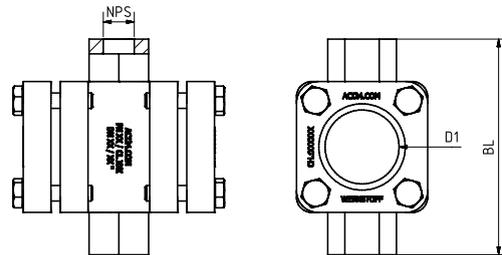
## USAGE

For monitoring filling and flow in pipelines. The sight glass allows for reliable monitoring of the function and performance of individual devices as well as entire systems. Type 551 flow sight glasses are suitable for mounting on pipe threads BSP or NPT. The sight glasses are delivered pre-assembled and ready for installation.

## INSTALLATION NOTE

The connection must be sealed with appropriate sealing material to reach the specified pressure level. The connection thread is not designed to be self-sealing!

## 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 with mica protection discs
Pressure:	≤ 16 / 25 / 40 barg

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

NPS	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
BL	100	100	100	120	120	160	160	230
D1	32	32	32	48	48	65	65	80

**PRODUCT CODE**

Example for Explaining the Code Composition

**11 - 551 - G - 5 - 1 - 3 - 1 - 4 - 000**

GROUP	TYPE	THREAD	NPS	PN	BODY	GLASS	GASKET	VARIANT
11	551	G) BSP	1) 1/4"	1) 16	3) 1.4408	1) Borosilicate glass DIN 7080	1) PTFE	000: Standard variant
		N) NPT	2) 3/8"	2) 25		2) Soda-lime glass DIN 8902	2) FKM	001: Rotor PTFE (260°C)
			3) 1/2"	3) 40			4) C4400	G00) Mica
			4) 3/4"				7) Graphite	
			5) 1"					
			6) 1 1/4"					
			7) 1 1/2"					
			8) 2"					



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

**EXAMPLE**

The product code **11-551-G-5-1-3-1-4-000** corresponds to the standard version:

ACI Type 551

G1" BSP Internal thread / female thread

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 size 1/4" - 2"



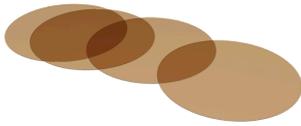
Accessories available

## 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 > 400 °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



**LED lights**

- > for Ex and non-Ex areas