



With internal thread BSP according to DIN EN ISO 228-1 or NPT pipe thread ANSI B 1.20.1 up to max. 400 barg

## USAGE

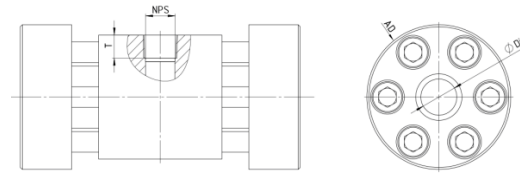
High-pressure flow sight glasses of type 522 are used for observing the level and flow in pipelines.

They enable reliable monitoring of the function and performance of individual devices as well as complete systems. The high-pressure flow sight glasses of type 522 are designed for installation with female thread connections according to DIN EN ISO 228-1 (BSP thread) or ANSI B 1.20.1 (NPT thread).

## INSTALLATION NOTE

The screw connection must be sealed with suitable sealing material in order to achieve the specified pressure level. The connecting thread is not designed to be self-sealing!

## DRAWING



### Materials:

Body:	1.4571
Glass:	Borosilicate glass DIN 7080 Borosilicate glass DIN 7080 + mica protection disc
Gasket:	Graphite / stainless steel
Screws:	A2-70 / A4-70
Special materials available upon request	

NPS	1/4"	3/8"	1/2"	3/4"	1"	1 1/2"	2"
Di	25	25	25	35	35	50	50
T (G)	14	14	16	18	20	24	27
T (NPT)	13,5	13,8	18,1	18,6	22,3	22,8	23,2
AD	120	120	120	140	140	180	180

Special sizes and other standards available upon request

### PRODUCT CODE

Example for Explaining the Code Composition

**11 - 522 - 1 - 5 - 4 - 1 - 1 - 7**

GROUP	TYPE	THREAD	NPS	PN	BODY*	GLASS	GASKET	VARIANT
11	522	1) BSP	1) 1/4"	2) 63	1) 1.4571	1) Borosilicate glass DIN 7080	7) Graphite / Stainless steel	000) Standard
		2) NPT	2) 3/8"	3) 100	8) Special	4) Borosilicate glass DIN 7080 + Mica		
		3) Special	3) 1/2"	4) 160	5) 250 <sup>1</sup>	8) Special		
			4) 3/4"	6) 320 <sup>1</sup>				
			5) 1"	7) 400 <sup>1</sup>				
			6) 1 1/2"	8) Special				
			7) 2"					
			8) Special					

1) Only with borosilicate glass and mica protection discs



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

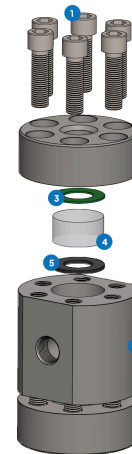
### EXAMPLE

The product code **11-522-1-5-4-1-1-7-000** corresponds to the standard version:

ACI Type 522  
 Internal thread 1" BSP  
 PN 160  
 Body 1.4571  
 Cover flanges 1.4571  
 Borosilicate glass DIN 7080  
 Gasket Graphite / Stainless steel

### STRUCTURE

1. Screws
2. Cover flange
3. Glass cushion
4. Sight glass
5. Gasket
6. Body



**QUICK OVERVIEW**



max. 400 barg



heat resistant up to 300  
°C



for liquid media



for gaseous media

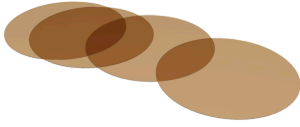


Nominal sizes  
1/4" - 2"



Custom made design  
possible

**OPTIONAL ACCESSORIES**



**Round mica discs**

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



**Metal fused safety sight glass**

- > for safety applications



For aggressive media, steam or operating pressures > 160 bar, mica discs are used to protect the glasses.