

Tubular sight glass type 622 PN 16

with internal thread / female thread according to DIN EN ISO 228-1

Type





With internal thread connections according to DIN EN ISO 228-1

USAGE

Flow sight glasses are used for monitoring levels and flows in pipelines. They enable reliable 360° monitoring of the function and performance of individual devices as well as complete systems. The flow sight glass type 622 is designed with internal threads on both sides according to DIN EN ISO 228-1.

Operating conditions	
Temperature: (depending on glass and gasket)	up to 300 °C with borosilicate glass 3.3
Pressure:	≤ 16 barg

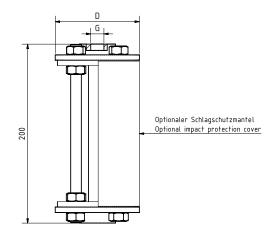
Materials						
Flange:	1.4571					
Gasket²:	PTFE; FKM; NBR; C4400; Silicone; EPDM; Graphite					
Threaded rods / Nuts:	A4-70					
Special materials on request						

2) See INFO Gaskets

INSTALLATION NOTE

The screw connection must be sealed with a suitable sealing material to achieve the specified maximum working pressure. The connection thread is not self-sealing! Tubular sight glasses must be installed in such a way that no pipe forces (tension, pressure, torsion), vibrations, or shock pressures act on the fitting!

DRAWING



Type 622 with impact protection cover made of perforated sheet (VA)



Type 622 with impact protection cover made of plastic (PETg)



SPECIAL VERSIONS/OPTIONS

- a) Impact protection
- b) Special total length
- c) Additional options on request



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GTHREAD

NPS	3/8"	1/2"	3/4"	1"	1 1/2"	2"		
D [mm]	95	95	105	115	150	175		
Weight [kg]	2.3	2.3	2.9	3.5	6.2	8.2		
PS [barg]	16	16	16	16	16	16		
Other sizes, lengths and flange standards on request								

(i)

Observe the permissible operating pressure!



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PRODUCT CODE

Example for Explaining the Code Composition

11 - 622 - 2 - 2 - 4 - 0 - 000

GROUP	TYPE	THREAD	FLANGE	GASKET	SHOCK PROTECTION COVER	TOTAL LENGTH
11	622	1) 3/8"	2) 1.4571	18) PTFE (novaflon® 500)	0) without impact protection	000) Standard (200 mm)
		2) 1/2"	3) Special	2) FKM		
		3) 3/4"		3) NBR		
		5) 1"		4) C4400	with impact protection made of perforated sheet	
		6) 1 1/2"		5) Silicone	(Tmax. 300 °C)	
		7) 2"		6) EPDM		
		8) Special		7) Graphite		
				8) Special		



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

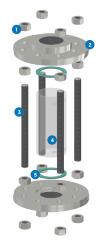
EXAMPLE

The product code 11-622-2-2-4-1-000 corresponds to the standard version:

ACI type 622 BSP thread G 1/2" PS max. 16 barg Flanges made of 1.4571 Gasket KlingerSil® C4400 without impact protection Total length 200 mm

STRUCTURE

- 1. Nuts
- 2. Flange
- 3. Threaded rod
- 4. Borosilicate glass cylinder
- 5. Gasket





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QUICK OVERVIEW



max. 16 barg



heat-resistant up to 300



for liquid media



for gaseous media



Nominal sizes 3/8" - 2"



Custom designs possible



> 50 sealing materials



Accessories available

OPERATING CONDITIONS

Operating conditions depend on the choice of the glass and the seals:

		Sight glass	Gaskets							
		Borosilicate glass 3.3	PTFE max. 200 °C	FKM max. 200°С	NBR max. 80 °C	C4400 max. 175 °C	Silicone max. 180°C	ЕРDМ max. 130 °C	Graphite > 300 °C	
	up to 80 °C	⊘	②	②	②	②	⊘	②	⊘	
TEMPERATURE	up to 130 °C	⊘	⊘	⊘	*	⊘	⊘	⊘	⊘	
	up to 175 °C	⊘	②	②	*	②	⊘	*	⊘	
MPE	up to 200 °C	⊘	⊘	⊘	*	*	*	*	⊘	
F	up to 300 °C	⊘	*	*	*	*	*	*	⊘	
	>300 °C	on request	on request							
PRESSURE	up to 16 barg	O	②	②	②	②	②	②	②	





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