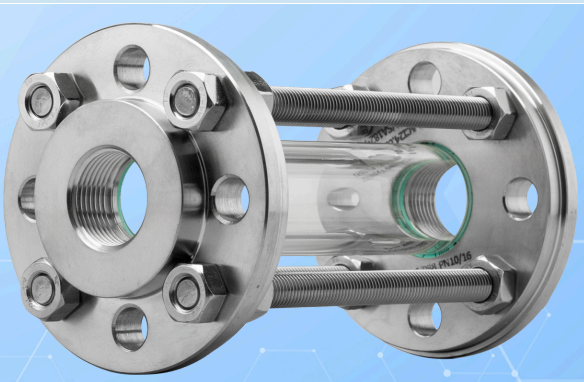
Tubular sight glass Type 622 PN 16

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

Type 622



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

USAGE

Tubular sight glasses are used to observe levels and flows in pipelines. They enable reliable 360° monitoring of the function and performance of individual devices as well as entire systems. The tubular sight glass type 622 is fitted on both sides with internal threads 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

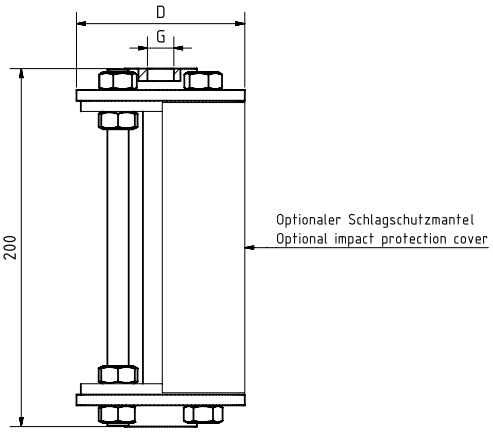
Materials	
Flange:	1.4571
Gasket[2]:	PTFE; FKM; NBR; C4400; Silicone; EPDM; Graphite
Threaded rods / nuts:	A4-70
Special materials on request	

2) See INFO Gaskets

INSTALLATION NOTE

The threaded connection must be sealed with a suitable sealant in order to achieve the specified maximum operating pressures. The connection thread is not self-sealing! Tubular sight glasses must be installed so that no pipe forces (tension, compression, torsion), vibrations or pressure surges act on the fitting!

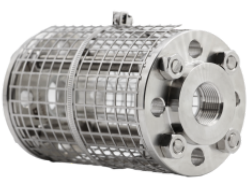
DRAWING



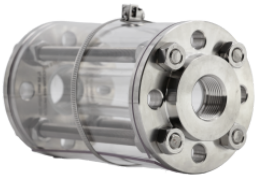
SPECIAL VERSIONS/OPTIONS

a) Impact protection cover
b) Special lengths
c) Additional options available on request

Type 622 with impact protection jacket made of perforated sheet metal (stainless steel, VA)



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



G THREAD

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 available on request						

Observe the permissible operating pressure!

INDUSTRIEARMATUREN

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

Type 622

PRODUCT CODE

Example for Explaining the Code Composition

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

GROUP	TYPE	THREAD	FLANGE	GASKET	IMPACT PROTECTION COVER	LENGTH
11	622	1) 3/8"	2) 1.4571	18) PTFE (novaflon® 500)	0) without impact protection cover	000) Standard (200 mm)
		2) 1/2"	3) Special	2) FKM	1) with impact protection cover made of PETg (Tmax. 80 °C)	
		3) 3/4"		3) NBR	2) with impact protection cover made of perforated sheet (Tmax. 300 °C)	
		5) 1"		4) C4400		
		6) 1 1/2"		5) Silicone		
		7) 2"		6) EPDM		
		8) Special		7) Graphite		
				8) Special		

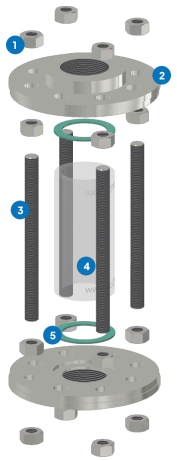
Unless otherwise specified, the highlighted factory standard will be supplied.

EXAMPLE

The product code 11-622-2-2-4-1-000 corresponds to the standard design:
ACI type 622
BSP thread G 1/2"
PS max. 16 barg
Flanges made of 1.4571
Gasket KlingerSil® C4400
without impact protection jacket
Overall length standard 200 mm

STRUCTURE

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



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Type 622

QUICK OVERVIEW

max. 16 barg

heat-resistant up to 300 °C

for liquid media

for gaseous media

Nominal sizes 3/8" - 2"

Custom designs possible

> 50 gasket materials

Accessories available

OPERATING CONDITIONS

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

		SIGHT GLASS	GASKETS						
		Borosilicate glass 3.3	PTFE max. 200 °C	FKM max. 200 °C	NBR max. 80 °C	C4400 max. 175 °C	Silicone max. 180 °C	EPDM max. 130 °C	Graphite > 300 °C
TEMPERATURE	up to 80 °C	✓	✓	✓	✓	✓	✓	✓	✓
	up to 130 °C	✓	✓	✓	✗	✓	✓	✓	✓
	up to 175 °C	✓	✓	✓	✗	✓	✓	✗	✓
	up to 200 °C	✓	✓	✓	✗	✗	✗	✗	✓
	up to 300 °C	✓	✗	✗	✗	✗	✗	✗	✓
	>300 °C	on request	on request						
PRESSURE	up to 16 barg	✓	✓	✓	✓	✓	✓	✓	✓

✓ suitable ✗ unsuitable

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04112026 - Subject to technical changes and errors!