



With flange connections according to DIN EN 1092-1

USAGE

Tubular sight glass type 671 is used to observe the level and flow in pipelines.

They enable reliable 360° monitoring of the function and performance of individual devices as well as complete systems. The tubular sight glass type 671 is designed for installation between flanges according to DIN EN 1092-1, PN 25/40.

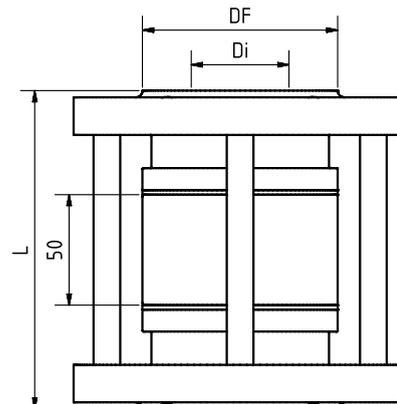
INSTALLATION NOTE

Seals must always be used that fit the sealing surfaces.

The screw material should be equal or superior compared to the flange material.

Whenever possible, both the screw thread and the screw head should be provided with an appropriate lubricant to ensure an even preload and simpler assembly. Pipe sight glasses must be installed in such a way that no pipe forces (tension, pressure, torsion), vibrations, or pressure shocks can affect the fitting.

DRAWING



Operating conditions:

Temperature: (depending on glass and gasket)	up to 280 °C with tempered borosilicate glass
Pressure:	≤ 40 barg
Low temperature use up to max -59 °C possible	

Materials:

Flange:	1.4571
Glass:	Borosilicate glass
Gasket: ¹	PTFE; FKM; NBR; C4400; Silicone; EPDM; Graphite
Screws:	A4-70
Special materials upon request	
1) See INFO Gaskets	

DN	10	15	20	25	32	40	50	65	80	100	125	150
Di [mm]	13	18	23	29	38	44	55	71	83	108	132	160
DF [mm]	40	45	58	68	78	88	102	122	138	162	188	218
L [mm]	134	134	134	134	144	144	146	148	148	158	174	174
Weight. [kg]	1	3	3,5	4	6	7	9	11	13	15	19	24
PS ³ [barg]	40	40	40	40	40	40	40	25	25	25	20	20

Outer diameter, pitch circle and drillings according to DIN 1092-1
3) Tempered borosilicate glass

PRODUCT CODE

Example for Explaining the Code Composition

11 - 671 - 7 - 2 - 1 - 1 - 4 - 000

GROUP	TYPE	DN	PN	FLANGE	GLASS	GASKET	VARIANT
11	671	1) 10 2) 15 3) 20 4) 25 5) 32 6) 40 7) 50 8) 65 9) 80 10) 100 11) 125 12) 150	1) 25 2) 40	1) 1.4571 8) Special	1) Tempered borosilicate glass	1) PTFE 4) C4400 7) Graphite	000) Standard



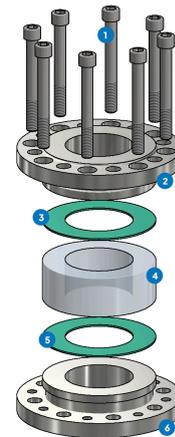
Unless otherwise stated, the highlighted factory standard will be delivered.

EXAMPLE

The product code **11-671-7-1-1-4-000** corresponds to the standard version:
 ACI Type 670
 DN 50
 PN 40
 Flanges made of 1.4571
 Borosilicate glass tempered
 Gaskets made of KlingerSil® C4400

STRUCTURE

1. Screws
2. Flange
3. Gasket
4. Glass ring tubular sight glass type 641
5. Gasket
6. Flange



QUICK OVERVIEW



max. 40 barg



heat resistant up to 280 °C



for liquid media



for gaseous media



Nominal sizes DN 10 - 150



Custom made designs possible



> 50 sealing materials

OPERATING CONDITIONS

Operating conditions depend on the choice of glass and seals:

		Sight glass				Gaskets			
		Borosilicate glass tempered	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 180 °C	✓	✓	✓	✗	✗	✓	✗	✓
	up to 200 °C	✓	✓	✓	✗	✗	✗	✗	✓
PRESSURE	up to 280 °C	✓	✗	✗	✗	✗	✗	✗	✓
	up to 25 barg	✓	✓	✗	✗	✓	✗	✗	✓
	up to 40 barg	✓	✓	✗	✗	✓	✗	✗	✓

✓ suitable ✗ unsuitable