



# Tubular sight glass PN 25 / 40

with flange connections to DIN 1092-1 / (2633)

# Type 671



### APPLICATION:

For observation of filling and flow in pipelines. The sight glass provides reliable 360° monitoring of the function and performance of individual devices as well as entire systems.

Tubular sight glasses type 670 are suitable for installation between flanges according to DIN 1092-1 PN25 / 40. The sight glass is free of dead space when mounted properly.

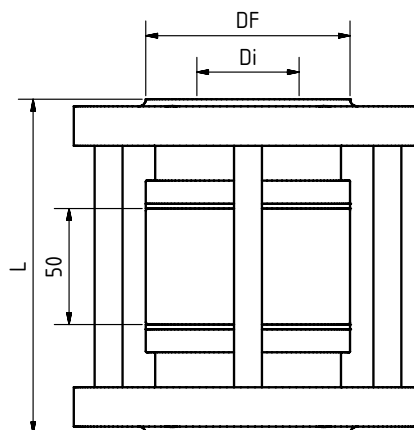
### INSTALLATION NOTE:

The flange bolting is taken into account and required for design tightness. Gaskets suitable for the sealing surfaces should be used. The screw material should be equivalent to or higher than those of the sight glass body. If possible, the screw thread and the screw head should be lubricated. Tubular sight glasses must be installed in such a way to prevent pipe forces (tension, pressure and torsion), vibrations and pressure shocks from affecting the fitting!

**With flange connections according to DIN 1092-1 ( $\Delta P \leq 25 / 40$  bar)**

### Operating conditions:

Temperature:	300 °C Borosilicate glass (depending on glass and gasket)	
Pressure:	$\leq 25 / 40^1$	Bar
<sup>1</sup> PN16 see Typ 670		



### Materials:

Flange:	1.4571
Glass tube:	Borosilicate glass Quartz glass
Gasket:	PTFE; FKM; NBR; C4400; Silicone; EPDM; Graphite
Screws:	A4-70
Special materials on request	

DN	10	15	20	25	32	40	50	65	80	100	125	150
Di	13	18	23	29	38	44	55	71	83	108	132	160
DF	40	45	58	68	78	88	102	122	138	162	188	218
L	134	134	134	134	144	144	146	148	148	158	174	174
Kg	1	3	3,5	4	6	7	9	11	13	15	19	24
PN	40	40	40	40	40	40	40	25	25	25	20	20
Outer diameter, bolt circle and holes according to DIN 1092-1 PN25 / 40												



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## PRODUCTCODE:

Group	TYPE	DN	PN	Flange	Glass tube	Gasket	Variants
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 16: Special	1. 25 2. 40	<b>1: 1.4571</b>	<b>1: Borosilicate glass</b> 2: Quartz glass 4: Special	1: PTFE 2: FKM 3: NBR 4: C4400 5: Silicone 6: EPDM <b>7: Graphite</b> 8: Special	Assigned by ACI if required

**INFO:** Unless otherwise stated, the factory standard highlighted is supplied.

### SPECIAL DESIGNS/OPTIONS:

- a) PN16 version (Type 670)
- b) ASME 16 B variant
- c) Additional options on request

### EXAMPLE:

**11-671-10-1-1-1-7-000 equals the product code:**  
 ACI Type 671  
 DN100  
 PN25  
 flanges 1.4571  
 borosilicate glass  
 standard version

### ATTENTION!

The pressure-temperature limits according to DIN EN 1092-1 apply!

Our tool of the same name is available on our website for this purpose.  
([www.ACI24.com](http://www.ACI24.com), in the category Service, Tools)



### HIGHER OPERATING PRESSURES:

In individual cases, higher operating pressures than those specified may be possible. Please contact us if necessary.

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