

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 640 are suitable for mounting between flanges according to DIN 1092-1 PN16. The sight glass is free of dead space when mounted properly.

INSTALLATION NOTE:

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!

Intermediate flange design for flanges acc. to DIN 1092-1 ($\Delta P \leq 16$ bar)

Operating conditions:

Temperature:	80 °C Acrylic glass
(depending on glass and gasket)	300 °C Borosilicate glass
	1000 °C Quartz glass

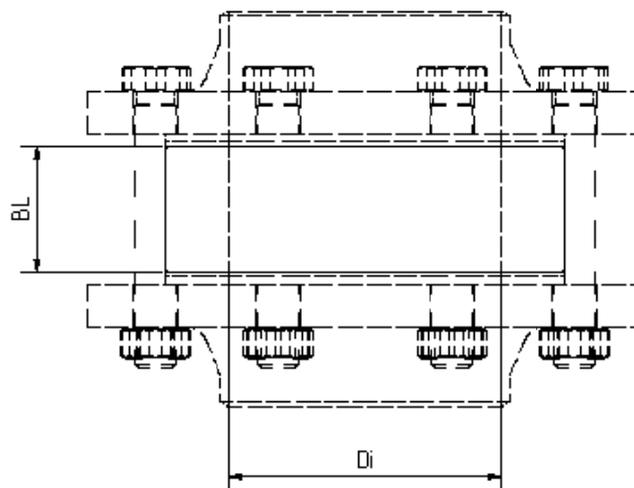
Pressure:	$\leq 16^1$	Bar
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¹ higher see Type 641

Materials:

Glass tube:	Borosilicate glass
	Acrylic glass
	Quartz glass

Special materials on request



DN	10	15	20	25	32	40	50	65	80	100	125	150	200	250	300
Di	13	18	22	29	38	44	55	71	83	108	132	160	208	260	310
L	50 mm														
PN ²	16	16	16	16	16	16	16	16	16	16	16	16	16	10	10

² PN in combination with borosilicate glass

Other sizes, lengths and flange standards on request.



Tubular sight glass PN 16

Intermediate flange version suitable for DIN 1092-1

Type 640

PRODUCTCODE:

Group	TYPE	DN	Glass tube	Overall length	Special options
11	640	10	1: Acrylic glass	000: Standard (50 mm)	Assigned by ACI on demand
		15	2: Borosilicate glass hardened		
		20	3: Quartz glass		
		25	4: Borosilicate glass untempered		
		32	5: Sapphire glass		
		40	6: Special		
		50			
		65			
		80			
		100			
		125			
		150			
		200			
		250			
		300			
		Special			

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

SPECIAL DESIGNS/OPTIONS:

- a) High pressure version (Type 641 PN 25 / 40)
- b) ASME 16 B Variant (Type 640A)
- c) incl. flanges, screws, nuts and gaskets
- d) Additional options on request

EXAMPLE:

11-640-200-2-000-000 equals the product code:
ACI Type 640
DN200
borosilicate glass
standard length 50 mm

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, 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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