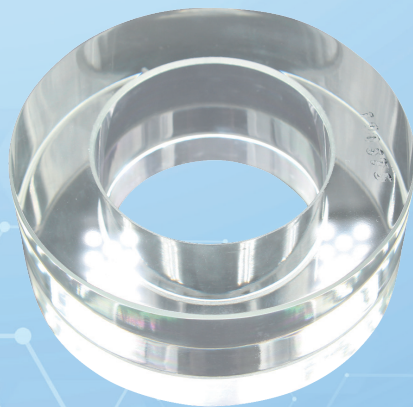




APPLICATION:

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 640A are suitable for mounting between flanges according to ASME 16.5 B CLASS 150. 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!

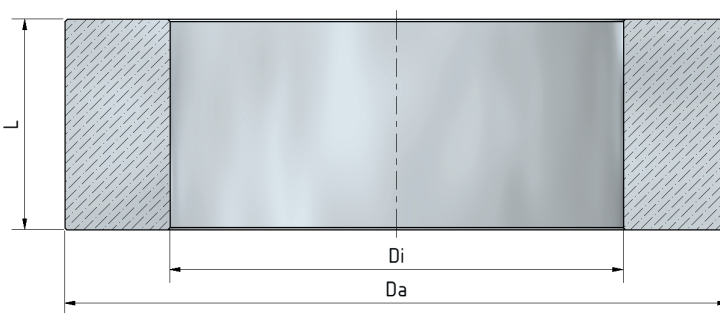
**Intermediate flange
design for flanges
acc. to ASME 16.5 B
($\Delta P \leq 20$ bar)**

Operating conditions:

Temperature: (depending on glass material)	80 °C Acrylic glass 280 °C Borosilicate glass	
Pressure:	≤ 20	Bar

Materials:

Glass tube:	Borosilicate glass Acrylic glass
Special materials on request	



NPS	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"
Di	16	21	27	35	41	53	63	78	102	128	154	203	255	305	336	386	437	487
Da	35	43	51	63	73	92	105	127	157	186	216	270	324	381	413	470	534	584
Gew. ^{1,3}	0,09	0,13	0,18	0,26	0,34	0,53	0,77	0,95	1,34	1,72	2,16	2,99	3,77	4,91	5,2	6,5	8,5	9,4
PN ¹	20	20	20	20	20	20	20	20	20	19	16	15	10	10	10	10	10	10
PN ²	19	18	16	16	16	16	14	14	10	10	8	8	6	6	6	6	6	6

¹Borosilicate glass ²Acrylic glass ³Weight in [kg]

Other materials, sizes, lengths and flange standards on request.

PRODUCTCODE:

Group	TYPE	NPS	Glass tube	Overall length	Special options
11	640A	1: - 2: 1/2" 3: 3/4" 4: 1" 5: 1 1/4" 6: 1 1/2" 7: 2" 8: 2 1/2" 9: 3" 10: 4" 11: 5" 12: 6" 13: 8" 14: 10" 15: 12" 16: 14" 17: 16" 18: 18" 19: 20" 20: Special	1: Acrylic glass 2: Borosilicate glass hardened 6: Special	100: 100 mm (only acrylic) 050: 50 mm (Standard) 030: 30 mm	Assigned by ACI on demand

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

SPECIAL DESIGNS/OPTIONS:

- a) DIN 1092-1 variant (Typ 640)
- b) incl. flanges, screws, nuts and gaskets

ASSEMBLY EXAMPLE:



NOTE:

Delivery is without screws, gaskets and flanges

HIGHER OPERATING PRESSURES:

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

EXAMPLE:

11-640A-10-1-050-000 equivalent to:

ACI Type 640A

NPS 4"

borosilicate glass hardened
standard length 50 mm

