



Design similar to DIN 28121

USE:

Round sight glasses are used to observe and illuminate the inside of closed vessels (boilers, tanks, silos, etc.). Sight glass fittings of type 323 are suitable for **higher temperatures** than the 200°C provided for in DIN 28121 by using suitable materials. Just like the type 321 according to DIN 28121, the sealing is done in **force shunt**.

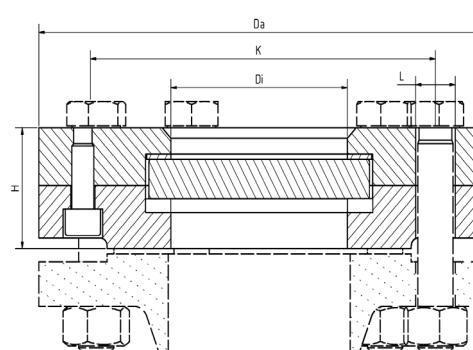
INSTALLATION INSTRUCTIONS:

Gaskets matching the sealing surfaces should be used. The screw material should be of equal or higher grade than the sight glass flange. Always use screws that match the bore pattern! If possible, the screw thread and the screw head should be lubricated.

OPERATING CONDITIONS		
Temperature: (depending on glass and gasket)	≤ 280°C	Borosilicate glass (DIN 7080 or similar)
	≤ 400°C ¹	Borosilicate glass untempered
Pressure:	≤ 10/25 bar(g)	

1) For higher temperatures see type 326

DRAWING:



MATERIALS	
Base flange:	1.4571; 1.4404; 1.4541; 2.4602; 2.4605
Glass:	Borosilicate glass (DIN 7080 or similar); Borosilicate glass untempered
Gasket:	Graphite composite gasket
Screws:	A4-70
Special materials on request	

DN	40	50	80	100	125	150	200
Di [mm]	48	65	80	100	125	125	150
H (PN 10) [mm]	36	38	46	46	54	54	54
H (PN 25) [mm]	38	41	50	59	66	66	66
Da [mm]	According to DIN EN 1092-1						
L [mm]	According to DIN EN 1092-1						
K [mm]	Other sizes on request						

PRODUCT CODE:

Example to explain the code composition

11 - 323 - 1 - 100 - 1 - 1 - 7 - 0								
GROUP	TYPE	PN	NOMINAL SIZE	BASE FLANGE ¹	GLASS		GASKET	VARIANT
11	323	1) 10	DN 40	1) 1.4571	1) Borosilicate glass according to DIN 7080 or similar		7) Graphite	0) Standard
		2) 25	DN 50	2) 1.4541			8) Special	
			DN 80	3) 1.4404	8) Borosilicate glass untempered			
			DN 100	4) 2.4602				
			DN 125	5) 2.4605				
			DN 150	6) Special				
			DN 200					

1) Cover flange according to quotation/order confirmation.



Unless otherwise stated, the highlighted factory standard is supplied.

EXAMPLE:

11-323-1-100-1-1-1-0 equivalent to:

ACI Type 323

PN 10

DN 100

Base flange made of 1.4571

Cover flange made of 1.4571

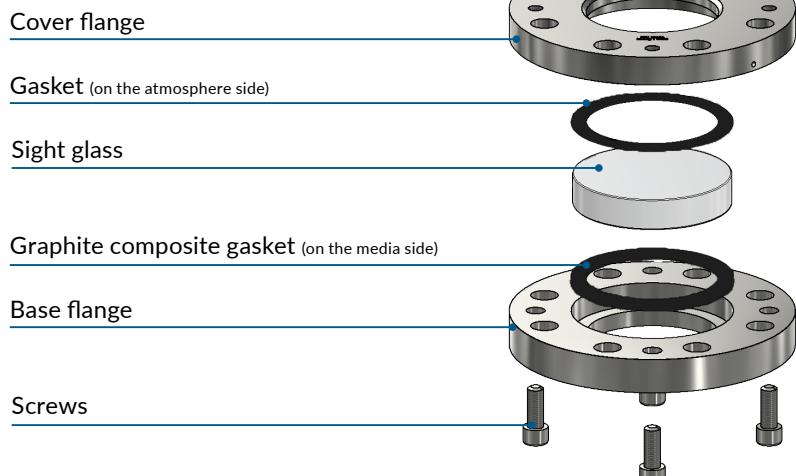
Borosilicate glass DIN 7080

Graphite composite gasket

Standard version

- other equipment optional

CONSTRUCTION:



For aggressive media or steam, mica discs should be used to protect the glass.

QUICK OVERVIEW:



PN 10/25
≤ 10/25 bar(g)



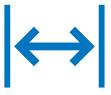
heat-resistant up to
400 °C



for liquid
media



for gaseous
media



Nominal size
DN 40 - 200



Customized products
possible



special gasket
materials possible



Additional equipment
available

OPERATING CONDITIONS:

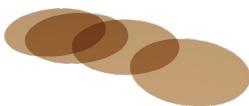
Operating conditions depend on the
choice of glass and gaskets:

		SIGHT GLASS	GASKETS
TEMPERATURE	up to 280 °C	✓	✓
PRESSURE	up to 10/25 bar (g)	✓	✓
	up to 400 °C	✗	✓
	> 400 °C	on request	on request

✓ suitable

✗ unsuitable

OPTIONAL EQUIPMENT:



Mica discs



Spraying device SV2



LED light

- up to 320°C with borosilicate glass DIN 7080
- made of high-quality stainless steel grade 1.4571
- for Ex and non-Ex areas

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 Service category, subcategory Tools)



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