

DG20

Sight Glass, Tubular Type with Flange Connections

- for visual control of flow and level
- applicable for liquids and gases
- 360° all-round view
- flange connections on both sides according to DIN EN 1092-1, form B
- DN 15 to DN 200, PN 10/16
ANSI ½" bis 8", 150 lbs
- glass design: borosilicate glass
- intensive to contamination
- max. pressure 6 bar (depending on nominal size)
- max. temperature: 200 °C



Description:

The sight glasses of the type series DG20 are extremely robust due to their design and can be used very functionally. They allow the inspection of filling and flow in pipelines.

The sight glass with flange connection is installed in the piping system with the appropriate sealing surfaces and enables reliable 360° monitoring of the function and performance of individual apparatus as well as of entire plants.

The DG20 sight glass is designed with flanges on both sides to suit DIN EN 1092-1, form B (PN 10/16) or ANSI. Depending on the nominal size, pressures up to 6 bar are permissible.

The flow sight glass has no dead spaces, so that when the product is changed, the flow sight glass can be flushed / cleaned together with the pipeline.

There are no sediments in the sight glass when the pipeline is drained because the inside diameter of the sight glass corresponds to the inside diameter of the pipeline.

Typical Applications:

The sight glasses can be used in almost all pipelines. The borosilicate glass used allows the devices to be used for chemically very aggressive media. They are insensitive to contamination, as the inner surface is always rinsed by the flowing medium.

The sight glasses are therefore also excellently suited for sterile and antiseptic applications.

Technical Data:

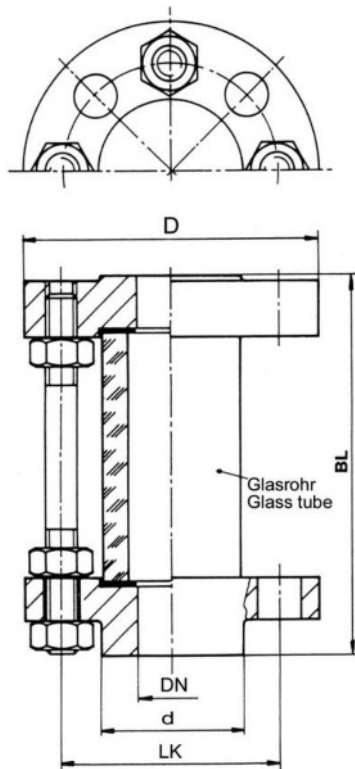
Max. temperature: 200 °C

Max. Pressure: up to DN 100 / 4": 6 bar
from DN 125 / 5": 4 bar

Materials:

Flanges:	St. steel 1.4571	Steel H II (1.0425)
Screws (strength):	A4-70	5.6 zinc plated
Glass tube:	Borosilicate glass (DURAN)	
Gaskets:	FKM, PTFE, others on request	

Dimensions DIN Flange:



Nominal size	D [mm]	d [mm]	BL [mm]	LK [mm]	Screws	Weight [g]
DN 15	95	45	200	65	4	
DN 20	105	58	200	75	4	
DN 25	115	68	200	85	4	
DN 32	140	78	200	100	4	
DN 40	150	88	200	110	4	
DN 50	165	102	200	125	4	
DN 65	185	122	200	145	4	
DN 80	200	138	200	160	4	
DN 100	220	158	200	180	4	
DN 125	250	188	200	210	8	
DN 150	285	212	200	240	8	
DN 200	340	268	200	295	8	

Order Code:

Order number: DG20. D. 15. 1. F. 0. 2. 0

Sight glass, tubular type with flange connections

Process connection:

A = ANSI flange, 150 lbs
D = DIN flange (DIN EN 1092-1), form B, PN 10/16

Nominal size:

15 = DN 15 / 1/2"
20 = DN 20 / 3/4"
25 = DN 25 / 1"
32 = DN 32 / 1 1/4"
40 = DN 40 / 1 1/2"
50 = DN 50 / 2"
65 = DN 65 / 2 1/2"
80 = DN 80 / 3"
100 = DN 100 / 4"
125 = DN 125 / 5"
150 = DN 150 / 6"
200 = DN 200 / 7"

Flange material:

1 = Steel H II (1.0425)
2 = Stainless steel 1.4571

Gaskets:

F = FKM (standard)
P = PTFE

Protection jacket:

0 = without protection jacket
1 = with protection jacket of acrylic glass

Length:

2 = 200 mm (Standard)

Option:

0 = without
9 = please specify in plain text

Protection Jacket:

An impact protection jacket made of Plexiglas can be used to protect the sight glass. The elastic plastic used is particularly UV-resistant and insensitive to impact and aging.

