

Sight glass fitting TYPE BS04



description:

Sight flow indicators are used for observation and to illuminate optical control of fluids and gases. E.g. tanks, silos, boilers...

features:

- suitable for neutral and non-neutral **liquids and gaseous media**
- with borosilicate glass DIN 7080
- Delivery includes: Base- & cover flange, glass & sealing
- High quality stainless steel
- With or without wiper blade made of PTFE with handle

Connection:

DN50, DN80, DN100, DN125, DN150, DN200

Design:

acc. DIN 28120

Pressure:

0,0 bar - pressureless

Design:

Material base-flange:

Material cover-flange:

Seal*:

to be welded directly to tank

stainless steel 1.4571

stainless steel 1.4571

C4400 (max. 175°C)

EPDM (max. 130°C)

PTFE (max. 200°C)

Graphit (max. 280°C)

Glass*:

borosilicate glass DIN 7080 (max. 280°C)

Screws:

A4-70

Delivery includes:

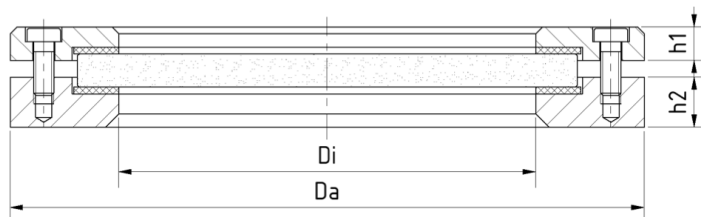
Base- & cover flange, glass & sealing

+ optional with PTFE-wiper (max. 200°C)

Important: Please note that the maximum temperature resistance of the complete sight glass assembly always depends on the glass, the gasket and if applicable, the PTFE wiper. Example: Borosilicate glass (up to 280 °C), a PTFE gasket (up to 200 °C), and a PTFE wiper (up to 200 °C) result in the entire sight glass having a temperature resistance of 200 °C.

Dimensions:

DN	Di	Da	h1	h2	weight
50	80	140	10	15	2,0 kg
80	100	165	10	15	2,8 kg
100	125	190	10	15	3,2 kg
125	150	215	10	15	4,3 kg
150	175	240	10	15	5,1 kg
200	225	290	10	15	6,8 kg



Torque table for screws:

Tighten all screws in several small steps and crosswise. The specified torques are starting values. The torque required for sealing under operation conditions may be higher so that the sight glass gland must be retightened. If sufficient tightness is not achieved with the listed torques they should be increased in steps of approx. 5%.
All screws must have exactly the same tightening torque to avoid glass distortion and breakage!

DN	50	80	100	125	150	200
minimal torque in Nm for Gasket C4400, PTFE and graphit	5	4	5	6	7	9
minimal torque in Nm for Gasket EPDM	5	4	4	5	6	7

Options (on request):

- sizes DN300 and DN400
- soda lime glass DIN 8902 up to 150°C
- higher temperatures
- gaskets made of FKM, NBR and Silicone
- special materials
- wiper with silicone wiper blade
- LED lights (for Ex- and Non-Ex-areas)
- Mica protection (highly recommended for aggressive media or steam!)

Article number:

Type	Glass	Version	Gasket	Size
BS04	00 – borosilicate glass	0 – Standard 1 – with PTFE-wiper	0 – C4400 1 – EPDM 3 – PTFE 7 – Graphit	08 – DN50 10 – DN80 11 – DN100 12 – DN125 13 – DN150 14 – DN200

Example no. BS04000010:

BS04	00	0	0	10
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Article no. BS04000010

Sight glass fitting

Glass: borosilicate glass

Version: Standard

Gasket: C4400

Size: DN80

Image similar, subject change without notice.