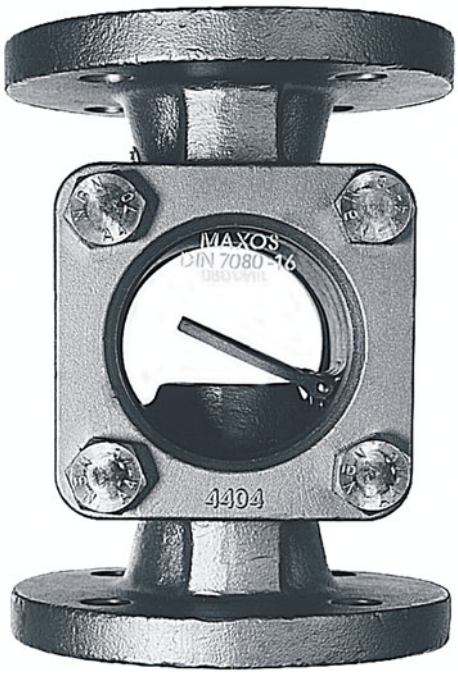
DG11

Sight Flow Indicator

- **Available with DIN or ANSI flanges**
- **Standard with drip tube, flap or rotor optionally available**
- **Materials: Cast iron, cast steel or stainless steel**
- **For pipes from 1/2" / DN15 to 10" / DN250**
- **For liquid temperatures up to 300 °F / 150 °C, higher ratings up to 546 °F / 280 °C optionally available**
- **Pressure rating: 232 or 145 psi / PN16 or PN10, higher ratings optionally available**



Description:

DG11 sight glasses are used to visually monitor the flow of liquids in pipe systems.
Depending on the type of liquid and flow volume, these devices are used with a fully clear bore or with a flap or rotor (for transparent liquids).
DG11 sight flow indicator permits reliable monitoring of the function and performance of single devices or entire systems.

Applications:

Because they are available in a variety of materials and designs, DG11 sight glasses can be used in almost any kind of pipe system.

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Models

DG11.S: Standard model with drip tube (can be installed in any position)

DG11.K: with flap (can only be installed horizontally or for upward vertical flows)

DG11.RK with rotor made of POM (Tmax. 248 °F / 120 °C, can be installed in any position)

DG11.RP with rotor made of PTFE (Tmax. 500 °F / 260 °C, can be installed in any position)

Housing Materials (contacting monitored liquid):

DG11.x.G: Cast iron A48-40B / GG 25 (EN-GJL-250)

DG11.x.S: Cast steel A216 Gr. WCC / GS-C 25 (WN 1.0619)

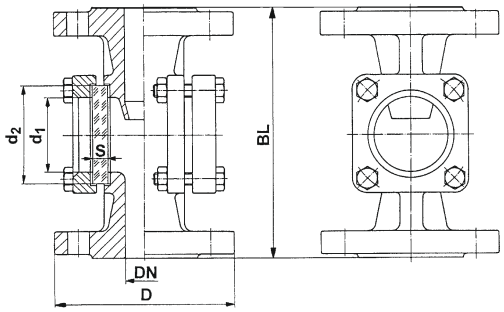
DG11.x.E: Stainless steel (AISI 316 / WN 1.4408)

Sight Glass Materials:

DG11.x.x.P: Soda-lime glass (Tmax. 300 °F / 150 °C)

DG11.x.x.B: Borosilicate glass (Tmax. 536 °F / 280 °C)

Dimensions:



Connection (DN / ANSI)	D (inch / mm)	BL (inch / mm)	d1 (inch / mm)	d2 (inch / mm)	S (inch / mm) 16 bar
15 / 1/2"	3.74 / 95	5.12 / 130	1.26 / 32	1.77 / 45	0.39 / 10
20 / 3/4"	4.13 / 105	5.91 / 150	1.26 / 32	1.77 / 45	0.39 / 10
25 / 1"	4.53 / 115	6.30 / 160	1.89 / 48	2.48 / 63	0.39 / 10
32 / 1 1/4"	5.51 / 140	7.09 / 180	2.56 / 65	3.15 / 80	0.47 / 12
40 / 1 1/2"	5.91 / 150	7.87 / 200	2.56 / 65	3.15 / 80	0.47 / 12
50 / 2"	6.50 / 165	9.06 / 230	3.15 / 80	3.94 / 100	0.59 / 15
65 / 2 1/2"	7.28 / 185	11.42 / 290	3.15 / 80	3.94 / 100	0.59 / 15
80 / 3"	7.87 / 200	12.20 / 310	3.94 / 100	4.92 / 125	0.79 / 20
100 / 4" ***	8.66 / 220	13.78 / 350	4.92 / 125	5.91 / 150	0.98 / 25
125 / 5" ***	9.84 / 250	15.75 / 400	5.91 / 150	6.89 / 175	0.98 / 25
150 / 6"	11.22 / 285	18.90 / 480	6.89 / 175	7.87 / 200	1.18 / 30*
200 / 8" ***	13.39 / 340	23.62 / 600	6.89 / 175	7.87 / 200	1.18 / 30**
250 / 10" ***	15.94 / 405	28.74 / 730	6.89 / 175	7.87 / 200	1.18 / 30**

*) Pmax 145 psi / 10 bar with soda-lime glass, Pmax. 232 psi / 16 bar with borosilicate glass

**) with DIN flanges: PN 10 or PN 16 (PN 16 with borosilicate glass only)

***) ANSI flanges not available in cast iron

Dimension "D" indicated for DIN flanges, may be different with ANSI flanges

Ordering Code:

Order Number: **DG11. | RK. | E. | B. | 25. | D16. | 0. | 0**

Sight Flow Indicator

Models
S = Standard model (with drip tube)
K = With flap
RK = With plastic rotor (POM)
RP = With plastic rotor (PTFE)

Housing Materials:
G = Cast iron
S = Cast steel
E = Stainless steel

Sight Glass Materials:
N = Soda-lime glass
B = Borosilicate glass

Process Connections:
15 to 250 = ANSI 1/2" to ANSI 10" / DN 15 to DN250
See "Dimensions" table

Connection Flanges:
A = ANSI, 150 lbs
D16 = DIN PN16 (DN200 with borosilicate glass only)
D10 = DIN PN10
S = Special models for higher pressure levels

Options:
0 = None
9 = Please specify in writing

Special Models:
0 = None
9 = Please specify in writing

Technical Specifications:

Materials: Housing and sight glass: see description
Gaskets: graphite (other gasket materials available upon request)

Max. pressure: 232 psi / 10/16 bar (higher pressure ratings optionally available)

Max. temperature:

DG11.S/K...: 300 °F / 150 °C (536 °F / 280 °C with borosilicate glass)
DG11.RK...: 248 °F / 120 °C
DG11.RP...: 300 °F / 150 °C (500 °F / 260 °C with borosilicate glass)

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