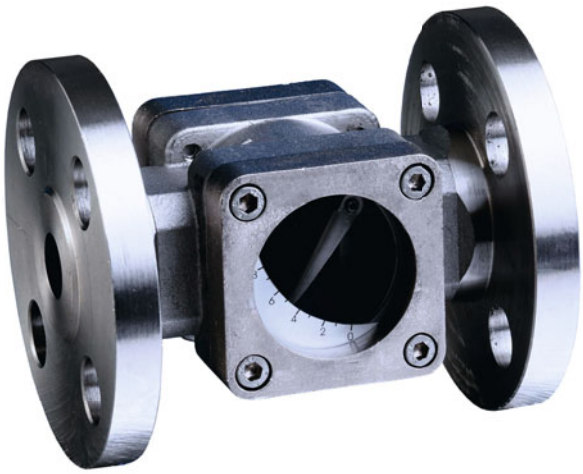
DG06

Sight Flow Indicator with Flap and Scale

- robust design
- red bronze, cast steel or stainless steel materials
- for 1/4" to 2" pipe, with threaded fitting or flange
- available with PN 16 or PN 40 pressure ratings
- externally attached numerical scale indicates approximate flow volume



Description:

The DG06 flow indicator allows visual and quantitative monitoring of liquid flows. The device has two large glass panes – one on each side – and each with a scale attached. A stainless steel flap mounted in the flow chamber is lifted when there is flow and the current flow rate is displayed on the scale. The flap is mounted on a stainless steel shaft; it is raised by flow and lowered by gravity. The DG06 can be installed both horizontally and vertically (with flow from bottom to top) and deployed in a wide variety of applications – not least because it is not adversely affected by high temperatures.

Typical Applications:

This flow indicator provides visual and quantitative monitoring of liquids. There is potential for a myriad of applications in the fields of industrial machinery and process control, as well as basic monitoring of cooling units etc.

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Models:

All devices have a flap made of AISI 316 stainless steel and PTFE seals.

DG06.R: enclosure made of red bronze CuSn5Zn5Pb5-C-GS
DG06.S: enclosure made of cast steel ASTM-A-216-2000-GR-WCB
DG06.E: enclosure made of stainless steel AISI 316

Borosilicate (PN16) or soda-lime (PN40) sight glass panes are available. We supply type G or NPT threaded fittings or DIN or ANSI flanges as process couplings.

Flow rates:

Pipe size	Approx. flow rates (l/min)*					
	2	4	6	8	10	Max.
DN08 / 1/4"	2.5	3.5	4.5	7	22	100
DN10 / 3/8"	2.5	4	4.5	7	24	150
DN15 / 1/2"	3	4.5	6	8,5	20	250
DN20 / 3/4"	3	5	6	9	20	250
DN25 / 1"	3.5	6	8	10	25	250
DN32 / 1 1/4"	7	11	14	24	40	550
DN40 / 1 1/2"	8	12	15	25	50	600
DN50 / 2"	9	15	28	50	75	1,000

* The quoted flow rates for flap positions 2–10 are approximate values only; they may vary considerably, depending on installation position and process conditions. The “Max.” value is the maximum flow volume at which the flow indicators can operate (regardless of head loss) without being damaged.

Dimensions:

Pipe size	Length (mm)		Width (mm)	Height (mm)	Weight (kg)	
	G	F			G	F
DN08 / 1/4"	95	140	89	66	1.9	3.7
DN10 / 3/8"	95	140	89	66	1.9	3.8
DN15 / 1/2"	95	140	89	66	1.85	3.9
DN20 / 3/4"	95	140	89	66	1.85	3.9
DN25 / 1"	95	140	89	66	1.8	3.9
DN32 / 1 1/4"	120	180	120	89	4	7.1
DN40 / 1 1/2"	120	180	120	89	3.9	7
DN50 / 2"	150	220	170	110	9	14.5

*) G = threaded, F = flanged

Order Code:

Bestellnummer: **DG06. | S. | B. | G. | 15. | 0**

Flow indicator with flap and scale

Materials:
R = red bronze
S = cast steel
E = stainless steel

Glass / pressure rating:
B = borosilicate / PN16
N = soda-lime glass / PN40

Process connection
G = female thread G
N = female thread NPT
F1 = DIN flange PN16
F4 = DIN flange PN40 (with soda-lime glass only)
A1 = ANSI flange, 150 lbs., RF
A3 = ANSI flange, 300 lbs., RF (with soda-lime glass only)

Pipe size:
08 = 1/4" / DN08
10 = 3/8" / DN10
15 = 1/2" / DN15
20 = 3/4" / DN20
25 = 1" / DN25
32 = 1 1/4" / DN32
40 = 1 1/2" / DN40
50 = 2" / DN50

Options:
0 = none
9 = please specify in writing

Specifications:

Max. pressure: 16/40 bar, depending on type of glass and process connection
Max. temperature: 150 °C
Materials
Enclosure: bronze, steel casting or stainless steel
Glass: borosilicate or lime-soda
Flap: stainless steel
Gasket: PTFE
Scale: polycarbonate
Installation position: horizontal or vertical (only with upward flow)

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