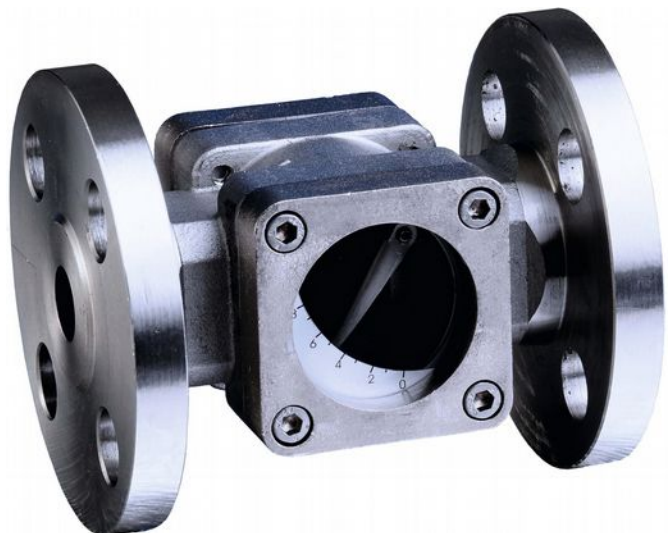


# DG06

## Sight Flow Indicator with Flap and Scale

- for liquids
- robust design
- cast steel or stainless steel version
- for nominal sizes from 1/4" to 4" , with threaded fitting or flange
- available with PN 16 or PN 40 pressure ratings
- externally attached numerical scale indicates approximate flow volume
- max. temperature: 250 °C



### 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.

## Models:

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

- DG06.S:** housing made of cast steel  
ASTM-A-216-2000-GR-WCB
- DG06.E:** housing made of st. steel AISI 316
- Other materials:** on request

The sight flow indicator DG06 are available with borosilicate glass (PN 16) or soda-lime glass (PN 40).  
We supply type G or NPT threaded fittings or DIN or ANSI flanges as process couplings.

## Flow rates:

Nominal sizes	Approx. flow rates [l/min] *					
	2	4	6	8	10	Max.
DN 08 / 1/4"	2,5	3,5	4,5	7	22	100
DN 10 / 3/8"	2,5	4	4,5	7	24	150
DN 15 / 1/2"	3	4,5	6	8,5	20	250
DN 20 / 3/4"	3	5	6	9	20	250
DN 25 / 1"	3,5	6	8	10	25	250
DN 32 / 1 1/4"	7	11	14	24	40	550
DN 40 / 1 1/2"	8	12	15	25	50	600
DN 50 / 2"	9	15	28	50	75	1000
DN 80 / 3"	24	32	52	128	220	-
DN 100 / 4"	46	70	100	150	220	-

\* 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:

Nominal sizes	Length [mm]		Width [mm]	Height [mm]	Weight [kg]	
	G*	F*			G*	F*
DN 08 / 1/4"	95	140	89	66	1,9	3,7
DN 10 / 3/8"	95	140	89	66	1,9	3,8
DN 15 / 1/2"	95	140	89	66	1,85	3,9
DN 20 / 3/4"	95	140	89	66	1,85	3,9
DN 25 / 1"	95	140	89	66	1,8	3,9
DN 32 / 1 1/4"	120	180	120	89	4	7,1
DN 40 / 1 1/2"	120	180	120	89	3,9	7
DN 50 / 2"	150	220	170	110	9	14,5
DN 80 / 3"	--	258	160	165	--	19,5
DN 100 / 4"	--	258	160	165	--	23,5

\*) G = threaded, F = flanged

Larger nominal sizes on request

## Order Code:

Order number: **DG06. S. B. G. 15. 0**

Sight flow indicator with flap and scale

### Materials:

S = cast steel  
E = stainless steel

### Glass / pressure rating:

B = borosilicate glass / PN 16  
N = soda-lime glass / PN 40

### Process connection:

G = female thread G  
N = female thread NPT  
F1 = DIN-flange PN 16  
F4 = DIN-flange PN 40  
(with soda-lime glass only)  
A1 = ANSI-flange, 150 lbs., RF  
A3 = ANSI-flange, 300 lbs., RF  
(with soda-lime glass only)

### Nominal sizes:

08 = 1/4" / DN 08  
10 = 3/8" / DN 10  
15 = 1/2" / DN 15  
20 = 3/4" / DN 20  
25 = 1" / DN 25  
32 = 1 1/4" / DN 32  
40 = 1 1/2" / DN 40  
50 = 2" / DN 50  
80 = 3" / DN 80 (flange version only)  
100 = 4" / DN 100 (flange version only)

### Options:

0 = without  
1 = please specify in plain text

## Technical Data:

**Max. pressure:** 16/40 bar, depending on type of glass and process connection

**Max media-temperature:** 250 °C

### Materials

Housing: cast steel or stainless steel 1.4408, ASME 316, ASTM – 351 CF8M  
Glass: borosilicate glass or soda-lime glass  
Flap: stainless steel  
Gasket: PTFE  
Scale: Polycarbonate

### Installation

**position:** horizontal or vertical (only with upward flow)

