

Sight flow indicator TYPE GS01 / GS02 / GS03



Description:

Sight flow indicators with thread connection are used for optical control of fluids and gases, for horizontal and vertical pipelines.

Product features:

- suitable for neutral and non-neutral **liquids and gaseous media.**
- with flap
- with PTFE-spinner (only liquid media)
- **installation position:**
with flap: horizontal or vertical with direction of flow from the bottom up
standard or with spinner: any position

connection:

1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"

thread:

female thread BSP

working pressure:

max. 40 bar – depending on media & operating temperature

Materials:

Component	Type GS01	Type GS02	Type GS03
Body	Grey cast iron GG25 (EN-GJL-250)	Carbon steel GS-C 25 (WCB)	Stainless steel 1.4408 (AISI 316 L)
Cover	Grey cast iron GG25 (EN-GJL-250)	Carbon steel GS-C 25 (WCB)	Stainless steel 1.4408 (AISI 316 L)
Seal	graphite	graphite	graphite
Screw	4.6 / 5.6 vz	4.6 / 5.6 vz	A4
Pressure	max. 16 bar	max. 40 bar, depending on version	max. 40 bar, depending on version
Min. Temperature	-10°C	-10°C	-60°C
Max. Temperature		with soda lime glass DIN 8902: +150°C with borosilicate glass DIN 7080: +280°C	

Pressure – Temperature – Application limits:

For GS01 grey cast iron:

operating temperature up to °C	20	150	200	250	280
16 bar	16,0	14,4	12,8	11,2	9,6

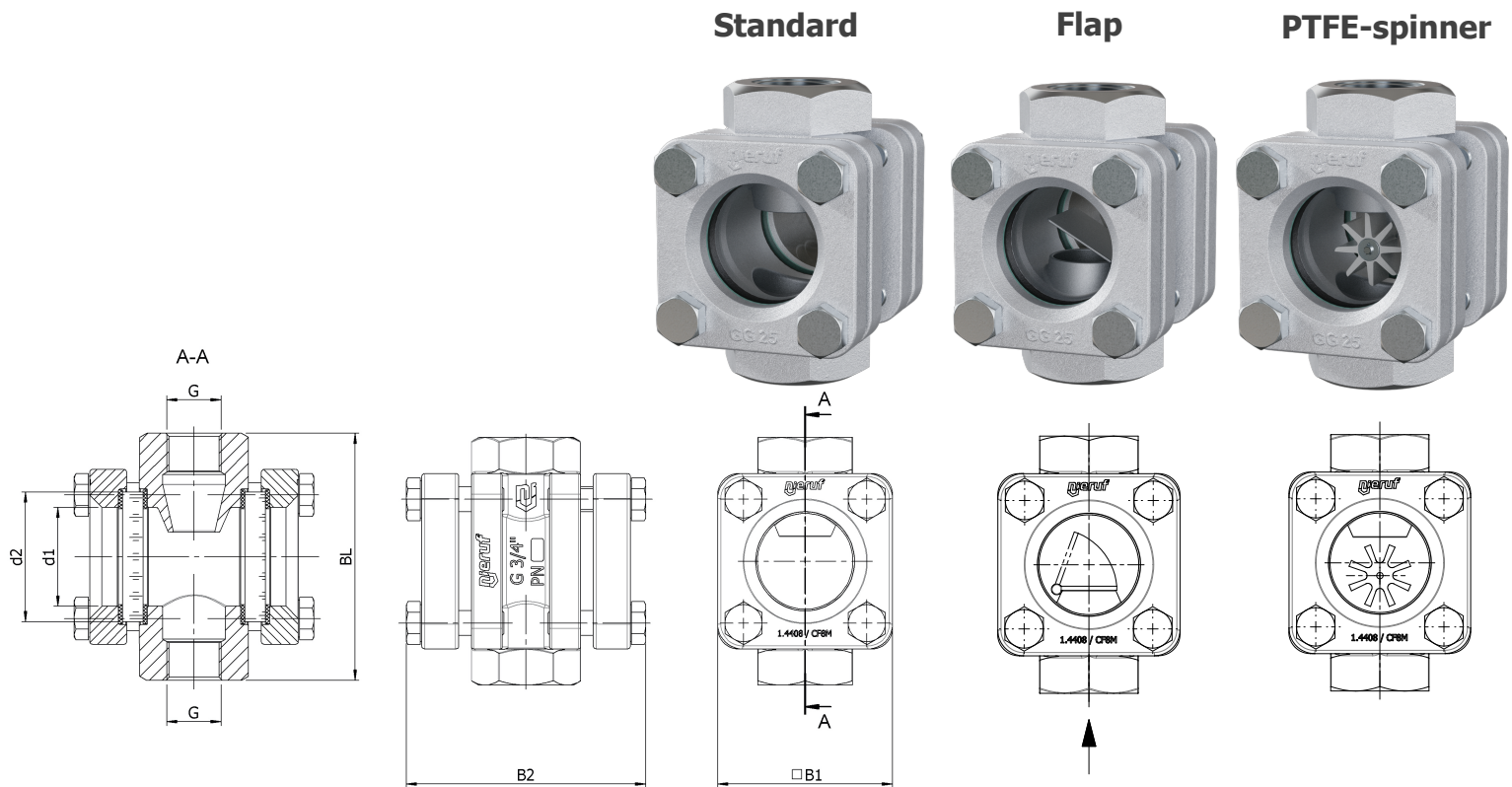
For GS02 carbon steel:

operating temperature up to °C	20	150	200	250	280
16 bar	16,0	14,0	13,3	12,1	11,0
40 bar	40,0	35,0	33,3	30,4	27,6

For GS03 stainless steel:

operating temperature up to °C	20	150	200	250	280
16 bar	16,0	14,5	13,4	12,7	11,8
40 bar	40,0	36,3	33,7	31,8	29,7

Dimensions:



Diameter G	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
BL	100	100	100	120	120	160	160	230
d1	32	32	32	48	48	65	65	80
d2	45	45	45	63	63	80	80	100
S 16 bar	10	10	10	10	10	12	12	15
S 40 bar	10	10	10	15	15	20	20	25
B1	70	70	70	85	85	110	110	120
B2	108	108	108	116	116	147	147	174
Weight for GS01 in kg	2,2	2,2	2,2	3,5	3,5	7,0	7,0	10,0
Weight for GS02 / GS03 in kg	2,2	2,2	2,2	3,5	3,5	7,0	7,0	10,5

Torque in (Nm):

Glass d2 in mm	d1 in mm	4x M8	4x M10	4x M12	4x M14	4x M16	8x M16
45	32	10	12	--	--	--	--
63	48	12	20	23	--	--	--
80	65	--	23	30	--	40	--
100	80	--	--	42	--	70	35
125	100	--	--	--	65	--	50
150	125	--	--	--	--	100	60
175	150	--	--	--	--	--	80
200	175	--	--	--	--	--	90

Options (on request):

- with NPT-thread
- with sight-glass-light
- GS03 up to -200°C
- Vacuum application

Article number:

Component

Body
Cover
Seal

Type GS01

Grey cast iron GG25 (EN-GJL-250)
Grey cast iron GG25 (EN-GJL-250)
graphite

Type GS02

Carbon steel GS-C 25 (WCB)
Carbon steel GS-C 25 (WCB)
graphite

Type GS03

Stainless steel 1.4408 (AISI 316 L)
Stainless steel 1.4408 (AISI 316 L)
graphite

Type	Glass	Connection	Design	Size
GS01	01 – Soda lime glass 02 – Borosilicate glass	0 – Female thread BSP (max. 16 bar)	0 – Standard 1 – With flap 2 – With PTFE-spinner	01 – 1/4" 02 – 3/8" 03 – 1/2" 04 – 3/4" 05 – 1" 06 – 1 1/4" 07 – 1 1/2" 08 – 2"

Type	Glass	Connection	Design	Size
GS02 GS03	01 – Soda lime glass 02 – Borosilicate glass	0 – Female thread BSP (max. 40 bar)	0 – Standard 1 – With flap 2 – With PTFE-spinner	01 – 1/4" 02 – 3/8" 03 – 1/2"

Type	Glass	Connection	Design	Size
GS02 GS03	01 – Soda lime glass 02 – Borosilicate glass	0 – Female thread BSP (max. 16 bar) 1 – Female thread BSP (max. 40 bar)*	0 – Standard 1 – With flap 2 – With PTFE-spinner	04 – 3/4" 05 – 1" 06 – 1 1/4" 07 – 1 1/2" 08 – 2"

Example no. GS02010005:

GS02 | 01 | 0 | 0 | 05

Sight flow indicator made of carbon steel

Glass: Soda-lime-glass

Thread: Female thread BSP (16 bar)

Design: Standard

Size: 1" Inch

* 40 bar only available with borosilicate glass

Image similar, subject change without notice.