



SA-05

Sight Flow Indicator with Female Thread in Gray Cast Iron, Steel Casting or Stainless Steel



- **Temperature up to 280°C**
- **G1/4" to G2"**
- **PN16, PN25 or PN40**
- **Indicator with flap, drip tube or rotor**
- **Optionally with NPT connection**

Description:

Flow indicators are intended for visualization of flows in pipes. In the case of SA-05, a drip tube or a rotating plastic rotor or a movable flap are viewed through two glasses mounted in a robust flow armature for optical control of flow. Air bubbles and solid particles flowing along or the rotor's rotation speed and the position of the deflected flap enable the observer to quantitatively estimate the volume of flow.

Range of application:

The SA-05 series of flow indicators possesses a cylindrical female thread connection which can also be designed as a conical NPT thread. They can be deployed for up to 40 bar of maximum pressure and 280°C maximum temperature. The range of materials available includes gray cast iron, steel casting or stainless steel with Na Ca or borosilicate glass. Due to these properties the SA-05 is mainly deployed in the entire manufacturing and processing industry.

Technical specifications:

- Housing materials:** gray cast iron GG25 or steel casting GS-C25 or stainless steel 1.4408
- Cover:** GG25 for gray cast iron version
GS-C25 for steel casting version
1.4408 for stainless steel version
- Screws:** 4.6/5.6 vz for gray cast and steel casting
A4-70 for stainless steel version
- Optical display:** smooth passage, from G3/4" with drip tube or flap made of stainless steel 1.4571 or rotor made of POM or rotor made of PTFE
- Glass material:** NaCa glass DIN 8902 up to max. 150°C or borosilicate glass DIN 7080 up to max. 280°C
- Seals:** graphite (others on request)
- Process connections:** G1/4"-female to G2"-female
- Pressure:** PN16, PN25 or PN40 (gray cast iron max. 16 bar)
- Media temperature:** SA-05.(1 or 2) max. 150°C for NaCa glass, 280°C for borosilicate glass
SA-05.3 max. 120°C
SA-05.4 max. 260°C

Ordering codes:

Ordering number: SA-05. 1. 1. 1. 16. 08

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Optical display:

- 1 = smooth passage (from 3/4" with drip tube)
- 2 = with flap
- 3 = with rotor made of POM
- 4 = with rotor made of PTFE

Housing material:

- 1 = gray cast iron (max. 16 bar)
- 2 = steel casting
- 3 = stainless steel

Glass material:

- 1 = NaCa glass (up to max. 150°C)
- 2 = borosilicate glass (up to max. 280°C)

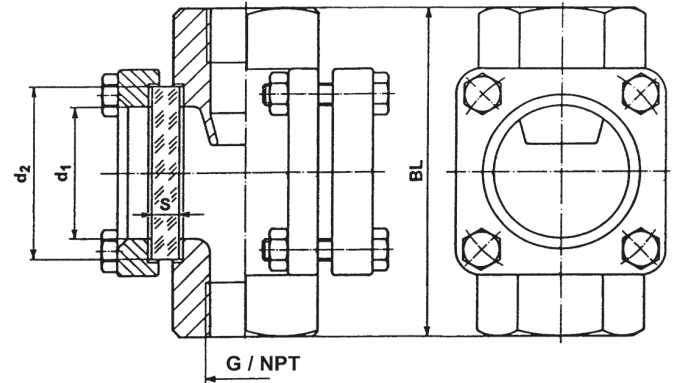
Pressure level:

- 16 = PN 16 (standard)
- 25 = PN25
- 40 = PN40

Process connection:

- 08 = G1/4"-female
- 10 = G3/8"-female
- 15 = G1/2"-female
- 20 = G3/4"-female
- 25 = G1"-female
- 32 = G1 1/4"-female
- 40 = G1 1/2"-female
- 50 = G2"-female

Dimensions:



Gray cast iron SA-05.X.1

Connection [female thread]	BL [mm]	d1 [mm]	d2 [mm]	S [mm] 16 bar
G1/4	100	32	45	10
G3/8	100	32	45	10
G1/2	100	32	45	10
G3/4	120	48	63	10
G1	120	48	63	10
G1 1/4	160	65	80	12
G1 1/2	160	65	80	12
G2	180	80	100	15

Steel casting or stainless steel SA-05.X.2/3

Connection [female thread]	BL [mm]	d1 [mm]	d2 [mm]	S [mm] 16 bar	S [mm] 25 bar	S [mm] 40 bar
G1/4	100	32	45	10	10	10
G3/8	100	32	45	10	10	10
G1/2	100	32	45	10	10	10
G3/4	120	48	63	10	12	15
G1	120	48	63	10	12	15
G1 1/4	160	65	80	12	15	20
G1 1/2	160	65	80	12	15	20
G2	230	80	100	15	20	25

Option: SA-05 out of steel casting or stainless steel are available with NPT-thread on request