

**Field of application**

The Level indicator valve was used for level measuring in tanks and vessels in plants of the food and drink industry, pharmaceutical and chemical industries as well as in biotechnology.



**ATTENTION**

To avoid danger and damage, the fitting must be used in accordance with the safety instructions and technical data contained in the operating instructions.

**Safety instructions**



**DANGER**

- Dismantling the valve or valve assemblies from the plant can cause injuries from fluids or gases flowing out. Dismantle the valve or valve assembly only when the plant has been rendered pressure-less and free of liquid and gas.

**ATTENTION**

- Danger of injury from liquids flowing from outlet "A" when opening the sample valve. According to the position of the sample valve, outlet pipes or draining devices must be fitted to achieve splash-free draining.

**Function**

The Level Indicator with glass tube was used for level measuring in tanks and vessels. In opened valve position liquid flows in glass tube on the filling level of the tank contents. By the height liquid column in glass tube is recognizably the respective filling condition of the tank contents.

**Installation instructions**

Insert the valve vertically with the glass tube upwards. (see Fig.1).

**Disassembly and assembly**

**Disassembly.**

- Open entirely spindle (2) (left rotary), turn one rotation back so that the circlip for bores (3) is unstressed.
- Remove circlip for bores (3) with circlip pliers.
- Unscrew the spindle (2) from the housing (1).
- Remove the cap (4) and O-Ring (5).
- Unscrew union nut (6). Dismantle glass tube upwards.
- Remove seal (8).

**Assembly**

- Clean spindle (2) and housing (1).
- Grease slightly the O-ring (5) and install it.
- Lock the cap (4) on the positive-locking profile of the spindle (2).
- Grease slightly the thread of the spindle (2) and screw in.
- Circlip for bores (3) insert with rounding-off down.
- Insert seal (8).
- Insert glass tube to limit stop and tighten union nut (6).



**Lubricants**

EPDM; Viton®; K-flex  
 NBR; HNBR; Silicone  
 Thread

Klüber Paraliq GTE 703  
 Klüber Paraliq GB 363  
 Teflongrease Interflon

**Technical data**

**Model:** Level indicator valve

**Valve size:** DN 20

**Connection:** Liner/nut DN 20 DIN11851

**draining connection:** Hexagon nut G 1/2

**Temperature:**

- Plexiglass tube: 70°C / depending on the medium
- Jenaer-glass tube: 95°C / depending on the medium

**Material:**

**in product contact**

**not in product contact**

**Stainless steel:**

- V2A - performance: 1.4301 AISI304
- V4A - performance: 1.4404 AISI316L

1.4301 AISI304  
 1.4301 AISI304

**Surfaces:**

RA 0,8µm

RA1,5-2,5µm E-polished

**Seals:**

NBR; PTFE

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Spare parts list

Article	Pos. 1	Pos. 2	Pos. 3	Pos. 4	Pos. 5	Pos. 6	Pos. 7	Pos. 8	Pos. 9
	Housing	Spindle	Circlip for bores DIN472 $\varnothing$ 22x1	Cap $\varnothing$ 16,5x8,5	O-Ring $\varnothing$ 12x3	Nut for glass-tube G1 / SW36	Nut G3/4	Seal	Blind cap with seal NBR G1/2
	1.4301 (AISI304) / 1.4404 (AISI316L)	1.4301 (AISI304) / 1.4404 (AISI316L)	1.4301 (AISI304)	PTFE	NBR 65°Sh.	1.4301 (AISI304)	1.4301 (AISI304)	NBR 65°Sh.	1.4301 (AISI304)
6016 015 000-021	NBR	6012 015 001-021	8085 022 100-020	2329 017 085-053	2304 012 030-055	6015 015 001-021	6015 015 002-021	6044 260 195-067	6069 008 000-021
6016 015 000-041		6007 015 006-021							

Material codification: xxxx xxx xxx-021 = 1.4301 (AISI304) E-polished  
 xxxx xxx xxx-041 = 1.4404 (AISI316L) E-polished

Drawing

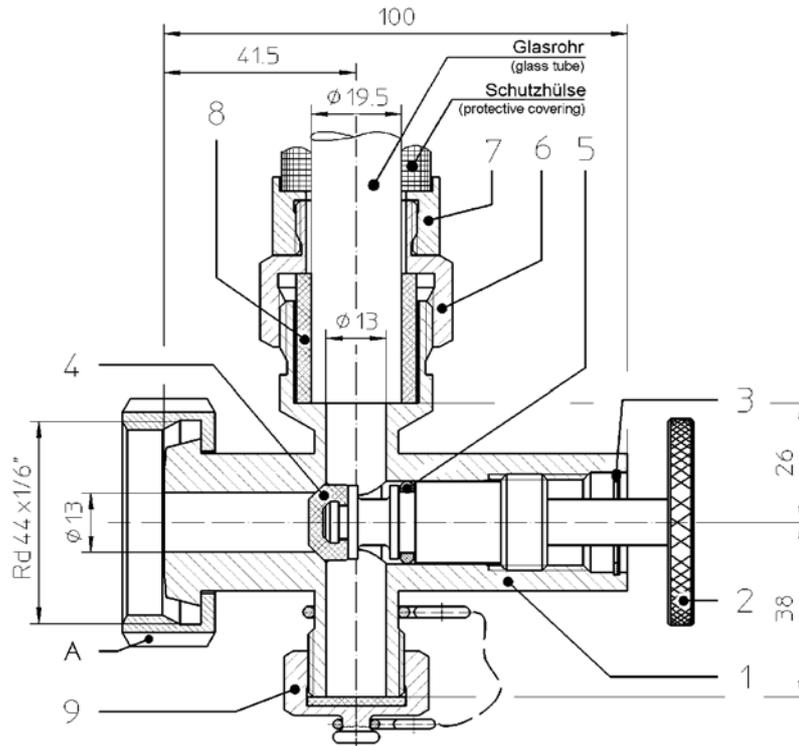


Fig. 1