

# Reflection Water Level Gauges type 68/220, PN40

with one or more sight lengths, hinged and rotatable glassholder  
material steel or wetted parts made of stainless steel

The liquid water level gauge type 68/220 is a universal reflection gauge for heating and refrigeration as well as for storage vessels. If liquid products with low boiling points are measured, the indicator is available with prolonged stuffing box and spindle. Reflection water level gauges are equipped with sight glasses with grooves for a clear contrast in the display.

### Design

The water level gauge type 68/220 is designed in accordance to the relevant German rules (TRD, AD, DIN). The determination of the material is made by customer's order.

### Technical data

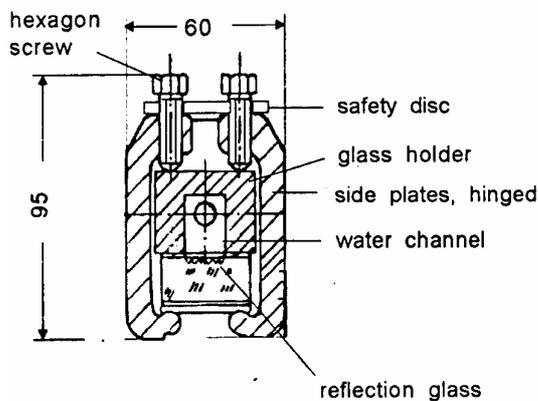
- glass holder in front with grooved reflex sight glasses
- glass size 2 up to 9 according to DIN 7081
- glassholder acc. necessary centre-to-centre distance with one or more sight lengths with interruptions between the different visual indications (see on reverse)
- quick closing valves type 68/2 if material steel or screw vent valves if wetted parts made of stainless steel valve pass 8 mm
- process connection: flange DN20-25/PN 40, form C (standard)
- drain valve type 17/500 with pin G 1/2
- vent plug G 1/2 x 14 mm, DIN 910

| Material           | stainless steel steel |        |
|--------------------|-----------------------|--------|
| glass holder       | 1.4571                | 1.0570 |
| side parts         | 1.0038                | 1.0038 |
| valve housing      | 1.4571                | 1.5415 |
| connection flange  | 1.4571                | 1.0460 |
| vent valve housing | 1.4571                | 1.0570 |

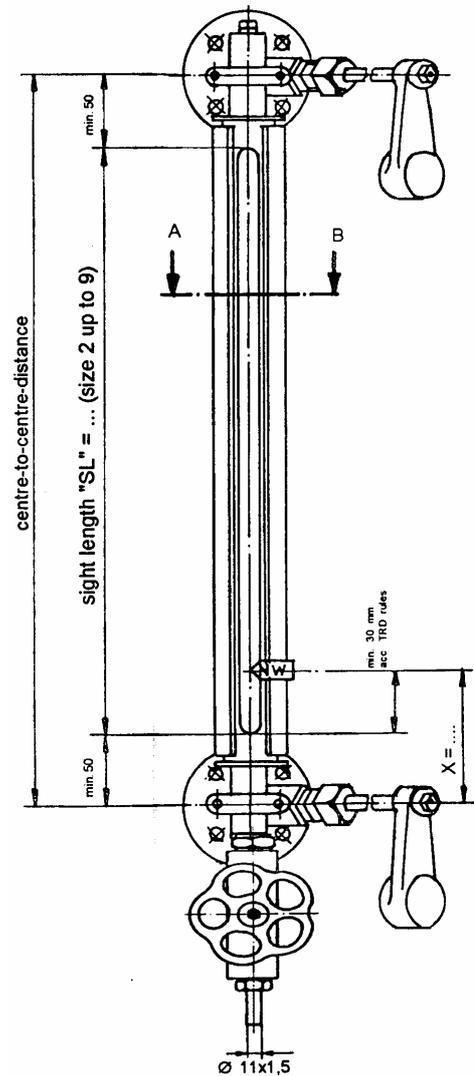
Reflection glass made of borosilicate, gaskets free of asbestos (graphite with foil support)

### Additional equipment

- automatically closing ball for shut-off valves (safety device) (min. 1 bar overpressure necessary for function)
- mica protection outside for protection in outdoor installations
- NW-mark for lowest water level acc. TRD



section A - B



design with  
drain valve type 17/500

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**Table glass size / range of center-to-center-distance**

|  |      |      |      |      |      |
|--|------|------|------|------|------|
| glass size *                               | 5    | 6    | 7    | 8    | 9    |
| glass length (mm)                          | 220  | 250  | 280  | 320  | 340  |
| sight length „SL“<br>per segment (mm)      | 200  | 230  | 260  | 300  | 320  |
| <b>min. center-to-center-distance (mm)</b> |      |      |      |      |      |
| 1 x glass size                             | 300  | 330  | 360  | 400  | 420  |
| 2 x glass size                             | 550  | 610  | 670  | 750  | 790  |
| 3 x glass size                             | 800  | 890  | 980  | 1100 | 1160 |
| 4 x glass size                             | 1050 | 1170 | 1290 | 1450 | 1530 |
| 5 x glass size                             | 1300 | 1450 | 1600 | 1800 | 1900 |

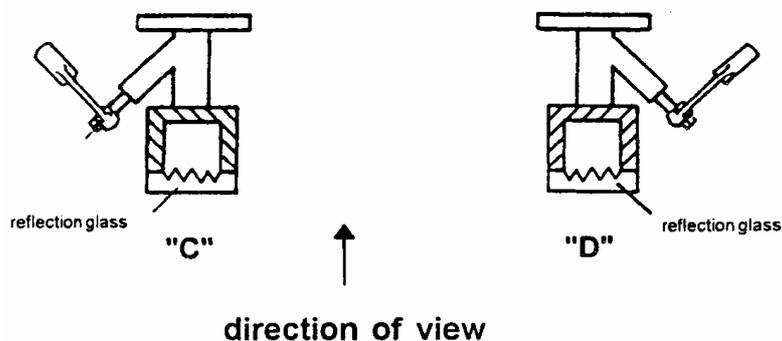
\* reflection glass DIN 7081, width 34 mm, min. thickness = 17 mm

**sight length = min. center-to-center-distance - 100 mm**  
**interruption between 2 sight glasses: min. 50 mm**

**conditions:**

| operating temperature                             | operating pressure |
|---|--------------------|
| -10 up to 120 °C                                  | 40 bar             |
| -10 up to 243 °C                                  | 26 bar             |
| max. limit for reflection glass DIN 7081 = 243 °C |                    |

**arrangement:**



**Order data**

center-to-center-distance, flange size, arrangement, size, operating pressure, operating temperature, additional equipment