

# 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

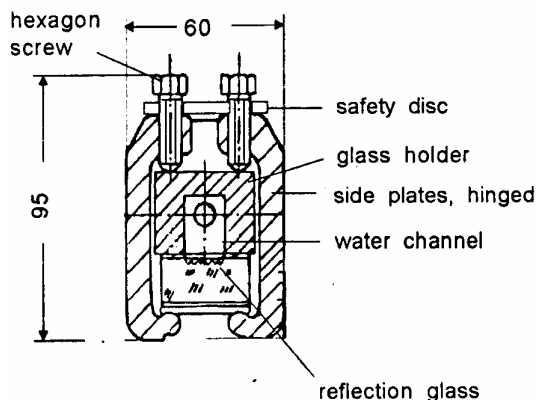
- glass holder in front with grooved reflex sight glasses
- glass size 2 up to 9 according to DIN 7081
- glassholder acc. necessary centre-to-centre distance with one or more sight lengths with interruptions between the different visual indications (see on reverse)
- quick closing valves type 68/2 if 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

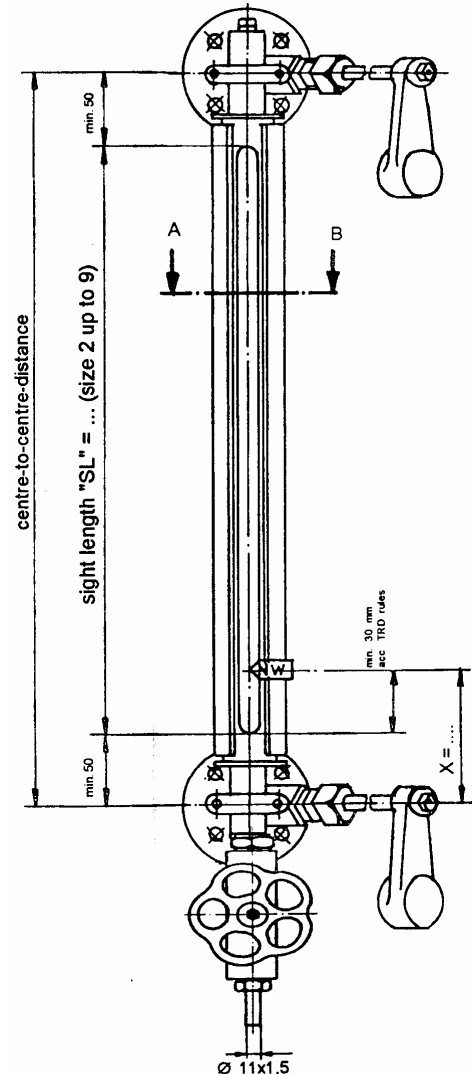
Reflection glass made of borosilicate, gaskets free of asbestos (graphite with foil support)

### 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“ 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

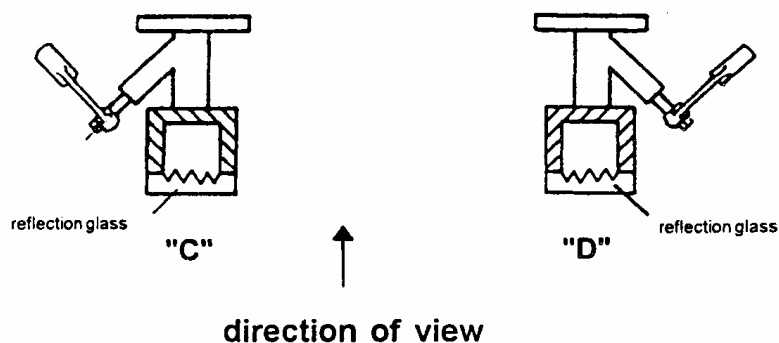
\* reflection glass DIN 7081, width 34 mm, min. thickness = 17 mm

**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