

Reflection Water Level Gauge PN 40 NIVOFLEX type 22/220

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The liquid water level gauge type NIVOFLEX 22/220 is an universal reflection gauge for heating and refrigeration as well as for storage vessels. Reflection water level gauges are equipped with sight glasses with grooves for a clear contrast in the display.

Design

The water level gauge type NIVOFLEX 22/220 is designed in accordance to the relevant German rules (TRD, AD, DIN).

Technical data

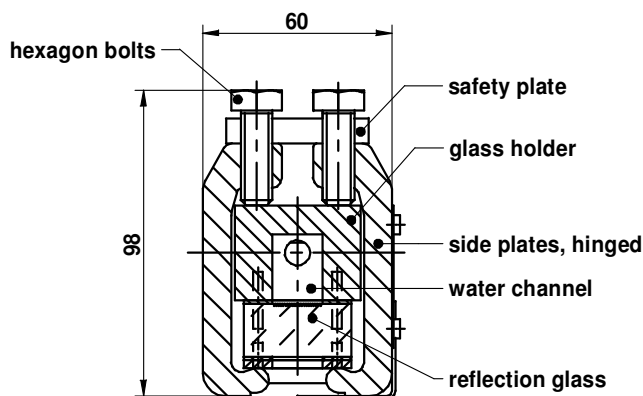
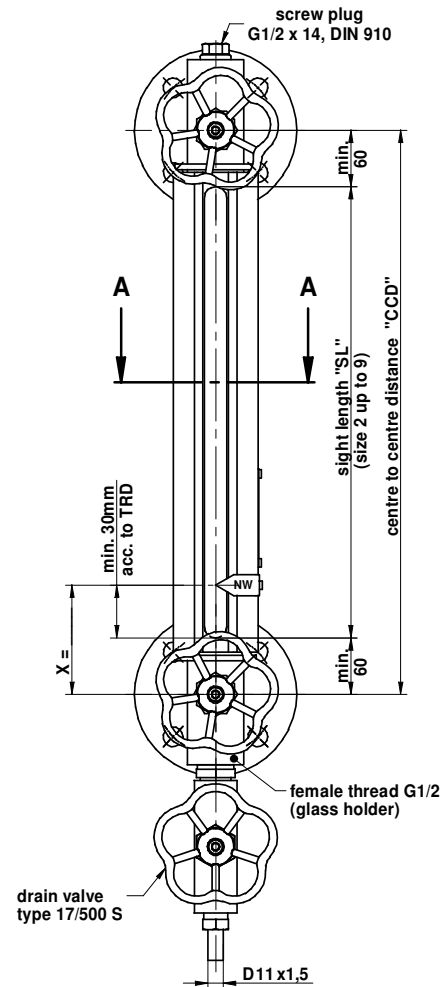
- glass holder in front with reflex sight glasses
- glass size 2 up to 9 according to DIN 7081
- glassholder acc. necessary centre-to-centre distance with one or more sight lengths with interruptions between the different visual indications (see on reverse)
- integrated valves below and above, internal valve diameter 8 mm
- process connection: flange DN 20-25/PN 40, form C
- with drain valve type 17/500, G 1/2
- vent plug G 1/2 x 14 mm, DIN 910

Material

- glass holder made of stainless steel mat. 1.4571
- side plates made of steel mat. 1.0038
- connection flanges made of stainless steel mat. 1.4571
- housing of drain valve made of stainless steel mat. 1.4571
- shut off parts made of stainless steel mat.. 1.4401, 1.4571
- 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-A

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Table glass size / range of centre-to-centre-distance

| | | | | | | | | |
|--|-----|-----|-----|------|------|------|------|------|
| glass size * | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| glass length (mm) | 140 | 165 | 190 | 220 | 250 | 280 | 320 | 340 |
| sight length „SL“ per segment (mm) | 120 | 145 | 170 | 200 | 230 | 260 | 300 | 320 |
| min. centre-to-centre-distance (mm) | | | | | | | | |
| 1 x glass size | 240 | 265 | 290 | 320 | 350 | 380 | 420 | 440 |
| 2 x glass size | | | | 570 | 630 | 690 | 770 | 810 |
| 3 x glass size | | | | 820 | 910 | 1000 | 1120 | 1180 |
| 4 x glass size | | | | 1070 | 1190 | 1310 | 1470 | 1550 |
| 5 x glass size | | | | 1320 | 1470 | 1620 | 1820 | 1920 |

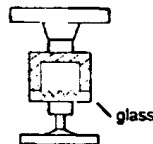
* reflection glass DIN 7081, width = 34 mm, thickness = 17 mm

sight length = min. centre-to-centre-distance - 120 mm
interruption between 2 sight glasses: min. 50 mm

conditions:

| oper. temperature | operating pressure |
|---|--------------------|
| | glass size 2 - 9 |
| -10 up to 120 °C | 40 bar |
| -10 up to 200 °C | 32 bar |
| -10 up to 243 °C | 28 bar |
| max. limit for reflection glass DIN 7081 = 243 °C | |

arrangement:



direction of view

order data

centre-to-centre-distance, flange size, glass size, operating pressure, operating temperature, fluid, additional equipment