

Reflections Level Gauge PN 40

Type 700.B301 (Reflex), NIVOFLEX Type 22/230

Applications

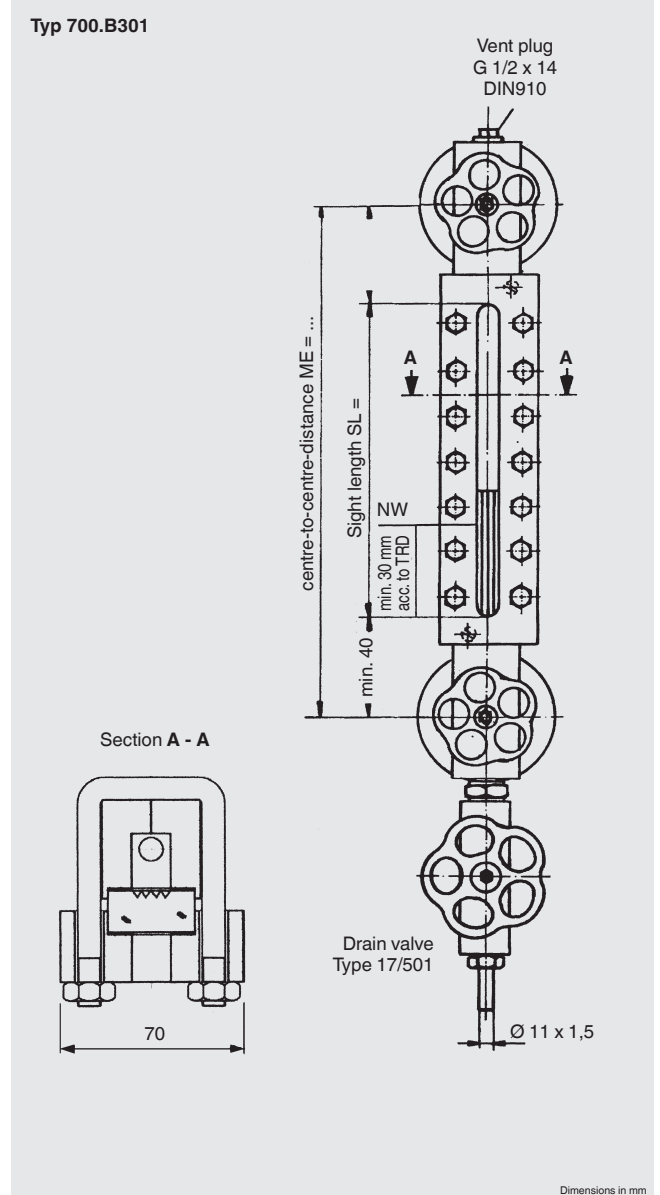
The liquid level gauge type NIVOFLEX 22/230 is a universal direct reading reflection level gauge for heating engineering, refrigerating engineering as well as for storage vessels, considering the chemical resistance of the used materials. They are equipped with sight glasses with grooves for a clear contrast in the display.

General Data

Valves	integrated at top and bottom
Valve passage	8 mm
Process connection	flange DIN 20-25/PN 40, Form C
Draining valve	Type 17501
Vent screw	G 1/2 x 14 mm, DIN 910
Materials	
- Glass holder	CS or SS
- Connection flanges	CS or SS
- Draining valve	CS or SS
- Shut-off parts	SS Mat. 1.4401, 1.4571
- Reflection sight glasses	Borosilikat, with grooves acc. to DIN 7081
- Gaskets	non-asbestos (Graphite with foil)

Accessories

Pointer	NW-mark acc. to TRD
For shut off valves	automatically closing ball (safety device) (at least 1 bar pressure tanks required for the function)
Glass protection	Mica exterior protection



CS (= carbon steel) and SS (= stainless steel type 316SS) are materials suitable for Pressure Vessels according to EN or ASME.

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
SL per segment	120	145	170	200	230	260	300	320
min. center-to-center-distance / mm								
1 x glass size	200	225	250	280	310	340	380	400
2 x glass size				525	590	650	730	770
3 x glass size				770	870	960	1080	1140
4 x glass size				1015	1135	1255	1415	1495
5 x glass size				1280	1410	1560	1760	1860

* Reflection glasses DIN 7081, width 34 mm, thickness 17 mm

Sight length SL = min. center-to-center-distance ME – 80 mm
Interruption between 2 sight glasses min. 45 mm

Design Data

Design pressure PN 40 (with shut-off valve)	
Design temperature*	Design pressure
– 10 ... 120 °C	40 bar
– 10 ... 200 °C	35 bar
– 10 ... 243 °C	32 bar
max. temperature for reflection glass acc. to DIN 7081 = 243 °C	

*Design – 60°C available on request

Anordnung C

