



# Magnetic Level Gauge

NA7-50 / NA7-52 / NA7-130 with Bypass

## Application and function

The magnetic level gauge is an indirect level gauge. The liquid level to be observed in the boiler is transferred analogously in a ratio of 1: 1 by a float via the indicating ledge.

The liquid level is transponded by the V86 probe and continuously measured in the bypass. This is carried out by high-frequency guided microwaves that are sent through the level gauge pipe.

The probe is also certified for use as a High-Water and Low-Water limiter. It is able to detect alterations in the temperature and adjust the microwaves accordingly (temperature compensation).

The probe can be designed for the use in explosive areas. Certification as per ATEX, IEC, GL, LRS and ABS also available.

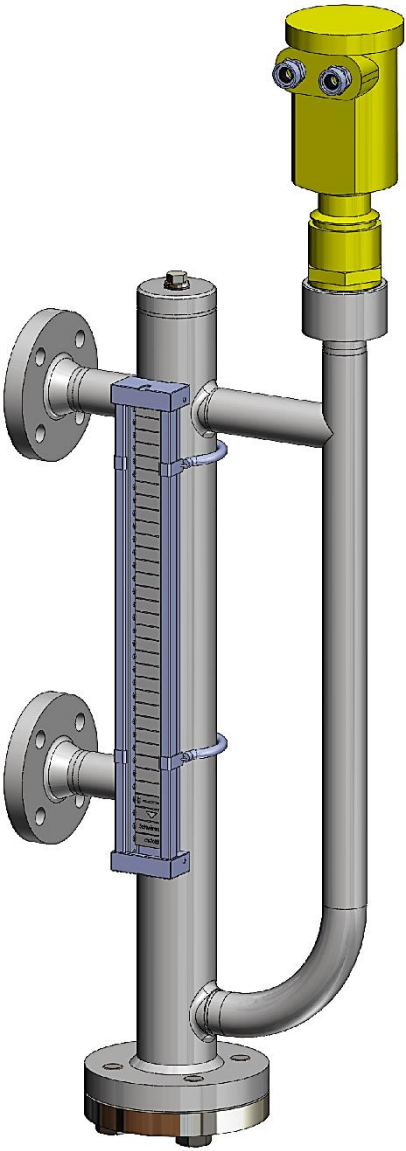
This product is in accordance with EU-directive 2014/68/EU. Applied standards DIN EN 13445 and ASME Boiler and Pressure Vessel Code. Considered regulations AD2000.

## Technical basic equipment

- Fluid sided stainless steel (1.4404; SA312 Gr. TP316L)
- Indication ledge AL\_-G
- Continuous measuring probe V86
- Drain plug
- Ventilation plug

## Available (optional) equipment

- Drain valve AV 500, (other drain valves available on request)
- Magnetic switch Type M510-1-60 for signalling
- Light band indicator (LB16) for remote level indication



Edition 08/2021  
Subject to change without a note.

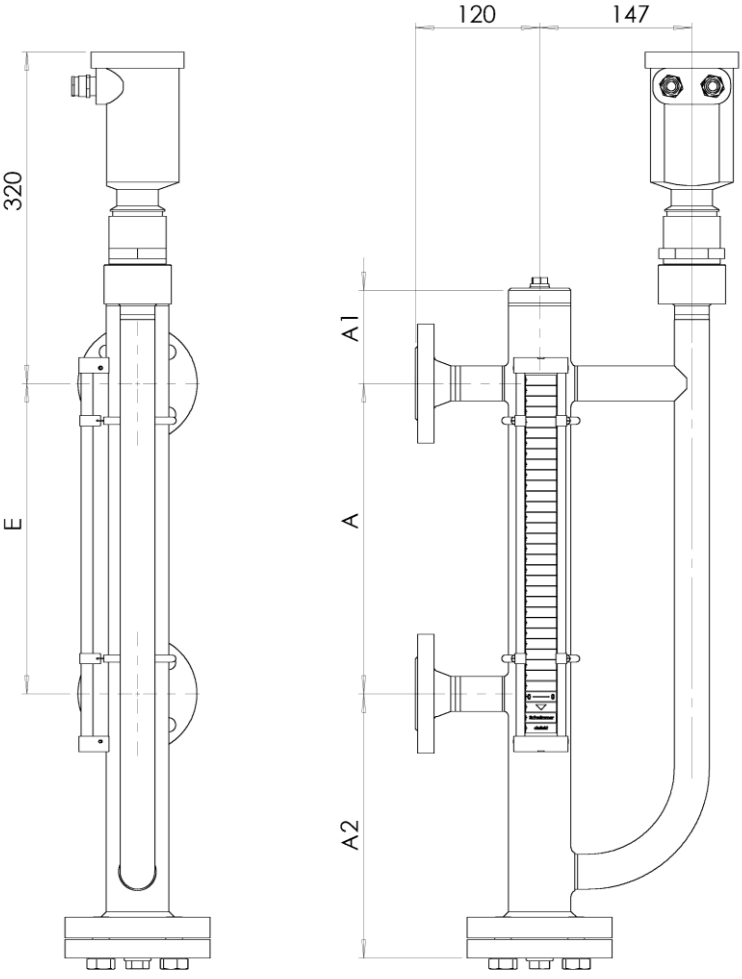
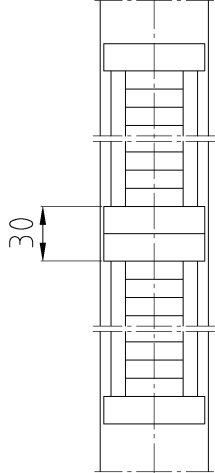
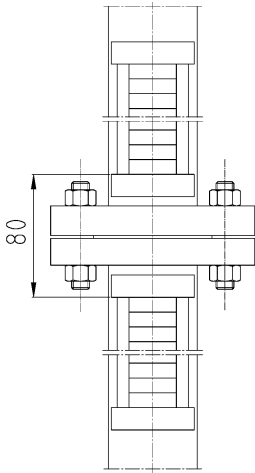
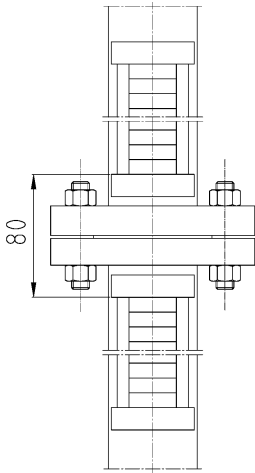
## Technical data

Type with Bypass			NA7-50	NA7-52	NA7-130
Allowable pressure	PS	[bar]	< 20	< 50	<150
Allowable temperature	TS	[°C]	214	265	342
Drain valve	Type		AV250		

## Measuring probe V86

Measuring range	<6m
Measuring accuracy	± 2mm
Operational voltage	9,6 . . . 35 VDC
Output signal	4 . . . 20mA / HART
Protection	IP66/67
Process pressure	-1 . . . +400bar, <i>The max. pressure level of the magnetic level indicator must be observed!!</i>
Process temperature	-196 . . . +400°C
Ambient temperature	-40 . . . +80°C

- The indicating ledge can be arranged in any position outside the areas of the connection studs.
- If the indicating area is > 2.6 m, it is necessary to arrange two or more indicating ledge one above the other.
- Device lengths > 6 m are designed in a divided version with intermediate flanges.
- Standard connection of the V86 measuring probe with G 1 ½" thread, on request also as a flange.

<p>NA7-50/52 with Bypass, above with vent cap below with flange</p>		<p>Measuring range &gt; 2,6m</p>
		
<p>Process connection</p>		<p>Measuring range &gt; 6m</p>
		
<p>Welding end</p>	<p>Socket welding</p>	<p>With drain valve</p>
