



Transparent level gauge

TG200

Application and function

The transparent level gauge is a direct water level indicator with lighting device, which is mainly used on pressure vessels. With its brilliant and long-lasting LED backlighting, the level is clearly visible at all times.

This product complies with EU Directive 2014/68/EU. The applicable regulations are AD2000 and the ASME Boiler and Pressure Vessel Code.

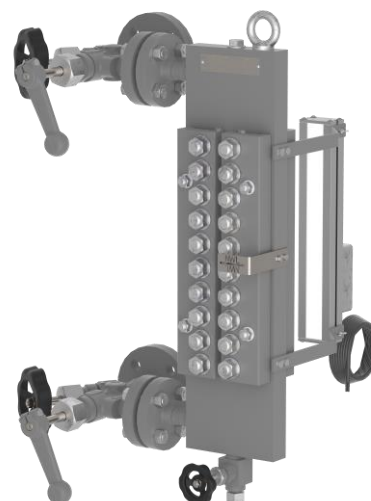
The transparent level gauge is suitable in accordance with DIN EN 12952-7 and DIN EN 12953-6 as a water level indicator for shell boilers and water tube boilers.

Technical basic version

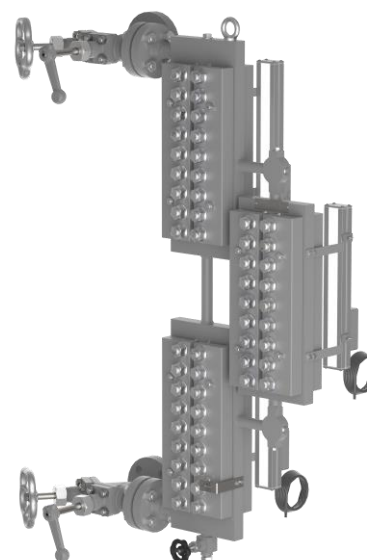
- Indicator body made of pressure vessel steel
- Available as left or right model
- Display lengths according to tables
- Drain valve AV250
- Vent plug
- LED Secure Slim HT illumination according to protection class IP66
- Double shut-off valve
 - Type A220-CS up to 120 bar
 - A240 up to 200 bar

Optional versions

- Shut-off valves with single shut-off
 - A140-CS up to 120 bar
 - A190 up to 200 bar
- Vent valve
- Shut-off valves with customised process connections
- Shut-off valves with live-load packing
- Double drain valve
- Customised connection and look ranges
- Stainless steel version



*TG200 Size 9
Single display opening*

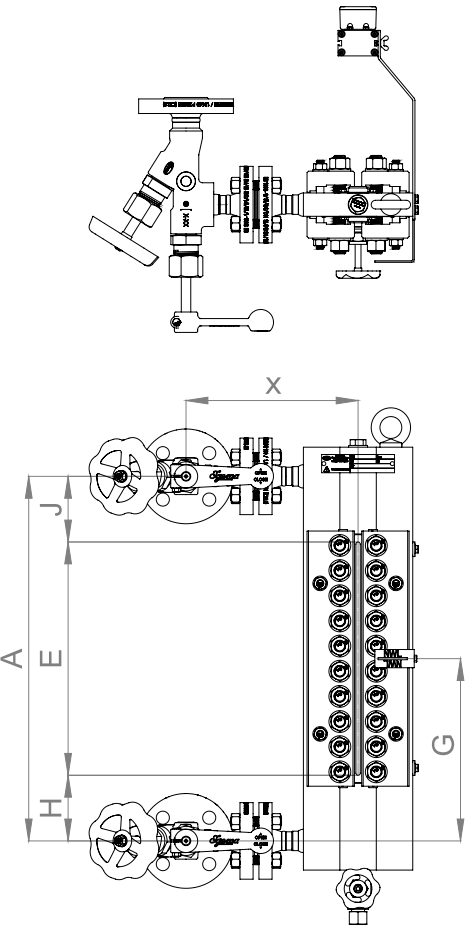
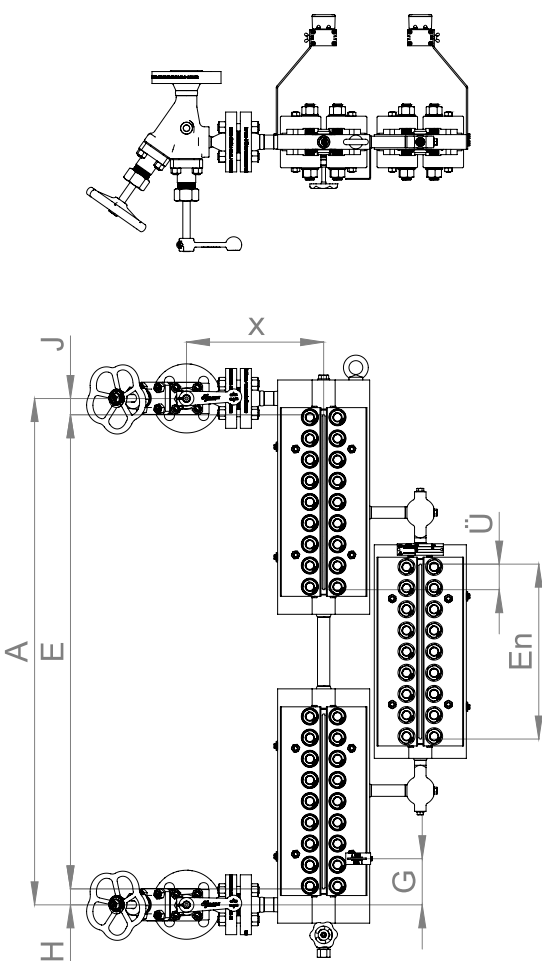


*TG200 Size 11/3v
Multiple offset sight length*

Technical data

Operating limit TG200	Perm. Pressure [PS]	Perm. Temperature [TS]
	200 bar 2900 psig	367°C 692°F

Dimensions and sizes

Single display opening	Multiple offset display openings
	

Both models are shown as left-hand models.

		min.	
		[mm]	[inch]
Upper blind space	[H]	25	1
Lower blind space	[J]	25	1
Overlap	[Ü]	25	1

Available dimensions

	Size	Display length (Dimension E _n)		Process connection dimension (Dimension A) min.	
		[mm]	[inch]	[mm]	[inch]
Single display opening	5	200	7 ⁷ / ₈	250	9 ⁵ / ₆
	6	230	9	280	11
	7	260	10 ¹ / ₄	310	12 ¹ / ₅
	8	290	11 ³ / ₇	340	13 ² / ₅
	9	320	12 ³ / ₅	370	14 ⁴ / ₇
	10	340	13 ² / ₅	390	15 ¹ / ₃
	11	380	15	430	17
Multiple offset display openings	7/nv	260	10 ¹ / ₄	$A = E_n \times n - ((n-1) \times 25\text{mm}) + 50\text{mm}$ $A = E_n \times n - ((n-1) \times 1") + 2"$	
	8/nv	290	11 ³ / ₇		
	9/nv	320	12 ³ / ₅		
	10/nv	340	13 ² / ₅		
	11/nv	380	15		

The maximum A dimension is to be checked on request

n indicates the number of show lengths



NOTICE

Material damage due to weight load

From a weight of the indicator of 30kg, the fasteners are too much stressed and no longer represent a secure tight connection.

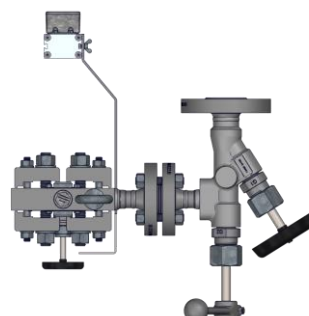
- Provide sufficient support (e.g. with spring hangers).

Possible display orientations

Left



Right

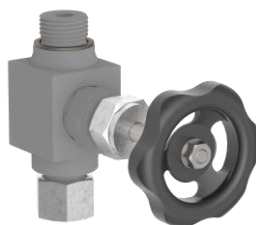


Basic equipment

The transparency indicators shown are equipped with an A240 shut-off valve, an AV250 drain valve and an LED Secure Slim HT lighting device.



Shut off valve A240



Drain valve AV250



LED Secure Slim HT

Type	Data sheet	Article-No.
Double shut off valve A240	D-09-D-50502-EN	see data sheet
AV250 Cutting ring screw connection DS12	D-09-D-54181-EN	15-16613
LED Secure Slim HT	D-A1-D-51865-EN	see data sheet

Accessories and optional versions

Description	Inscription	Article-No.
Water level mark	HHWL	40-04497
	HWL	40-04496
	NWL	40-04495
	LWL	40-04494
	LLWL	40-04493

Two thread-forming screws are required for fixing each water level mark. Item number: 40-11364



Water level mark NWL

Examples of the optional design

Angle seat drain valve	Double drain valve	Single shut off valve
Ex.: AV520	Ex.: AV251	Ex.: A190-LL

Type	Data sheet	Article-No.
AV520 Cutting ring screw connection DS12	D-09-D-50514-EN	40-01845
AV251 Cutting ring screw connection DS12	D-09-D-61489-EN	15-14733
Single shut off valve A190 with Live-Load Packing	D-09-D-50582-EN	see data sheet

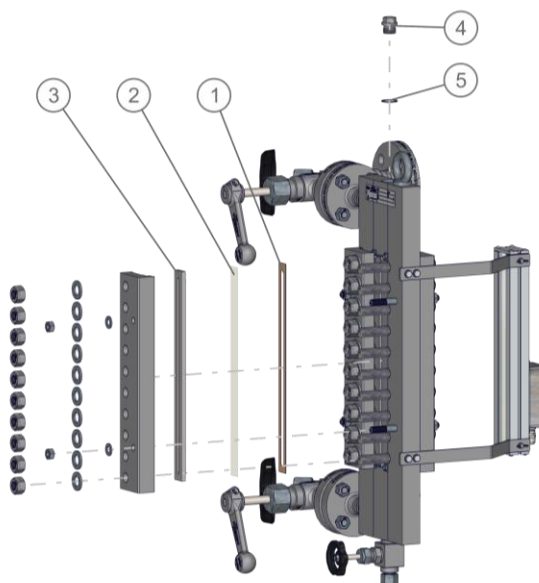
Spare parts

Pos.	Description	Size	Article-No.	Quantity
1-2	Spare parts kit	5	15-13096	1
		6	15-13097	1
		7	15-13098	1
		8	15-13099	1
		9	15-13100	1
		10	15-13101	1
		11	15-13102	1
3	Pressure plate	5	25-00077	n x 2
		6	25-00078	n x 2
		7	25-00079	n x 2
		8	25-00080	n x 2
		9	25-00081	n x 2
		10	25-00082	n x 2
		11	25-00083	n x 2
4	Screw plug	G 1/2"	40-10481	1
5	Sealing ring	21x26x1,5mm	40-00099	1
6	Screw plug (n.d.)	G 1/4"	40-03794	4 ^{*1}
7	Sealing ring (n.d.)	13,5x19x1,5mm	40-00114	4 ^{*1}

n = number of show openings.

Spare parts kit 1-2 consisting of 2x sealing and 2x mica package.

^{*1} only necessary for multiple offset display openings.





Direct download



Product page on the Internet

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