

VMLG

Magnetic Level Gauge

The Magnetic Level Gauge offers a safe, leak-proof, and maintenance-friendly solution for continuous liquid level monitoring in pressurized or hazardous environments. Using the principle of magnetic coupling, the system allows for clear external level indication without direct contact between the indicator and process fluid.

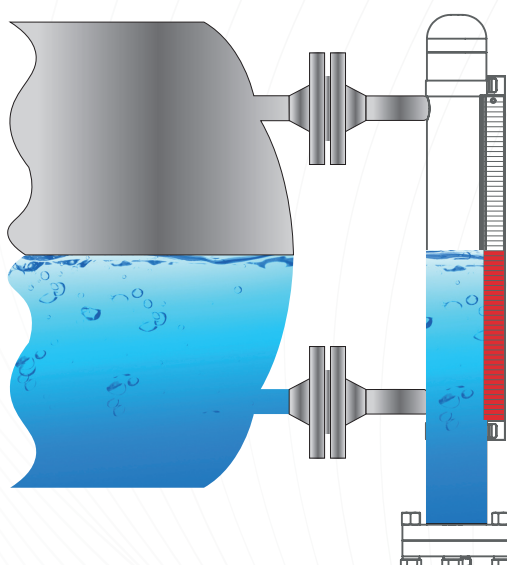
Inside the chamber, a float with an embedded magnet rises and falls with the liquid level. Outside the chamber, a magnetic indicator rail—consisting of colored flags or a follower—moves in response, providing a highly visible and accurate level reading even from a distance.

Magnetic level gauges are ideal for applications involving toxic, corrosive, or high-pressure fluids, and are commonly used in the chemical, petrochemical, power generation, and water treatment industries.

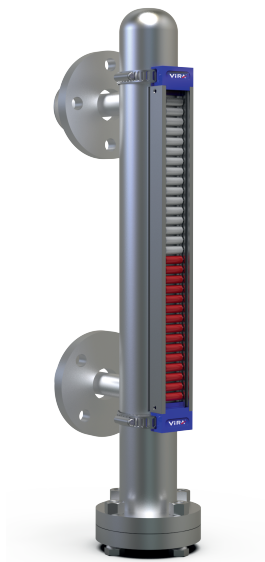
Key Features:

- Non-invasive level indication with no direct contact between the indicator and the process fluid
- Operates reliably in high-pressure and high-temperature conditions
- Suitable for horizontal or vertical tank installations
- Available with stainless steel, PVC, or special alloy chambers depending on the application
- Optional switches and transmitters for remote level monitoring and control integration
- Customizable float designs for wide density and interface level ranges
- Conforms to international pressure equipment and safety standards (e.g. PED, ASME, EN)

Vira's Magnetic Level Gauges are engineered for long service life, high accuracy, and process safety, especially where conventional glass level gauges are not suitable.



Magnetic Level Gauge for Tanks



Magnetic Level Gauge for Tanks

Type	: VMLG-T
Pressure	: PN 6
Temperature	: 110 °C
Body	: Stainless Steel
Connection Types	: Flanged (Optional Threaded)
Flanges	: Carbon Steel (Optional Stainless Steel)
Float	: Stainless Steel
Indicator	: Aluminum
Flaps	: Nylon (PA6)

The VMLG-T Magnetic Level Gauge is specially designed for low-pressure tank and storage applications. With a PN 6 pressure rating, this model ensures reliable and clear monitoring of process liquids. Its compact construction makes it particularly suitable for auxiliary tanks, condensate collection vessels, and installations operating close to atmospheric pressure. A robust body, precise level indication, and a maintenance-free magnetic system provide long-lasting and safe operation.

Magnetic Level Gauge for Boilers



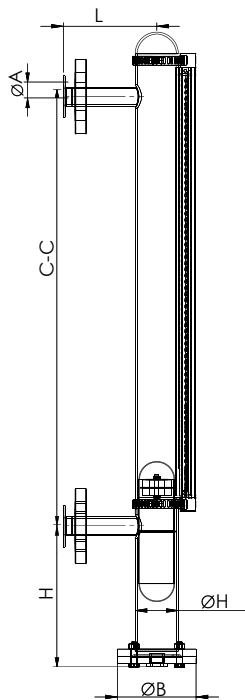
Magnetic Level Gauge for Boiler

Type	: VMLG-B
Pressure	: PN 16
Temperature	: 180 - 200 °C
Body	: Stainless Steel
Connection Types	: Flanged (Optional Threaded)
Flanges	: Carbon Steel (Optional Stainless Steel)
Float	: Stainless Steel
Indicator	: Aluminum
Flaps	: Nylon (PA6)

The VMLG-B Magnetic Level Gauge is designed for steam boiler and other high-pressure process applications. With a PN 16 pressure rating, it is engineered to withstand continuous high temperature and pressure conditions. Its durable stainless steel body, dual-sided magnetic indication system, and boiler connection flanges ensure safe and reliable level monitoring. As an indirect magnetic level indicator, it is suitable for use in combination with the direct level gauges required by EN 12952 and EN 12953 standards, providing operators with enhanced visibility and operational safety.

TECHNICAL SPECIFICATION

Magnetic Level Gauge

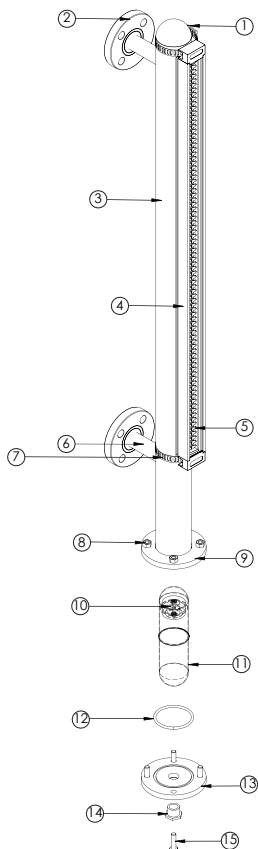


Technical Data

Type	VMLG
Body	AISI 304 / AISI 316 Stainless Steel, PN16 rated
Flap	Nylon (PA6)
Float	AISI 316L Stainless Steel
Connection	Flanged
Size	DN20, DN 25
Indicator Frame	Aluminum
Flanges	Carbon Steel

Dimensions

C-C (mm)	L (mm)	ØA (mm)	ØB (mm)	H (mm)	ØD (mm)
300-3000	130,5	26,9	110	87,6	60,3



No	Part	Material
1	Indicator top cover / cap	AISI 304 / AISI 316 Stainless Steel
2	Process connection flange	AISI 304 / AISI 316 Stainless Steel
3	Chamber / body (main tube)	AISI 304 / AISI 316 Stainless Steel, PN16 rated
4	Magnetic flaps (bicolor indicators)	Nylon (PA6) - (Red/White)
5	Indicator housing / frame	Aluminum
6	Process nozzle / connection pipe	AISI 304 / AISI 316 Stainless Steel
7	Mounting clamp / bracket (indicator-to-body)	AISI 304 Stainless Steel
8	Bolt (body-to-bottom flange)	AISI 304 / AISI 316 Stainless Steel
9	Bottom end flange / drain flange	AISI 304 / AISI 316 Stainless Steel
10	Magnetic disc (inside float)	NdFeB Magnet (encapsulated)
11	Float	AISI 316L Stainless Steel (non-magnetic)
12	O-ring (cover seal)	FKM (Viton) / NBR depending on medium
13	Drain cover / bottom cover flange	AISI 304 / AISI 316 Stainless Steel
14	Drain plug	AISI 304 / AISI 316 Stainless Steel
15	Cap nut (for cover studs)	AISI 304 / AISI 316 Stainless Steel