



A PRODUCT OF CLARK-RELIANCE

Innovative level solutions for package boilers, deaerator tanks, condensate tanks, and feedwater heaters.
Optimize Performance and Improve Efficiency.

UNDERSTANDING MAGNETIC LEVEL INDICATORS

Magnetic level indicators are used to provide accurate and continuous measurement of liquid levels within storage vessels. They consist of a float inside a vertical chamber that moves with the liquid level. The float is magnetically coupled to an external indicator, which displays the liquid level without direct contact with the liquid.



KEY BENEFITS:

Enhanced Visibility and Safety

- Magnetic level gauges provide clear, continuous visual indication of liquid levels without the need for power. This design reduces the risk of overflow, dry-run conditions, or dangerous pressure buildups by allowing operators to quickly verify fluid levels at a glance.

Highly Accurate Level Monitoring

- Precise level measurement is essential to prevent inefficient operation, equipment damage, or costly downtime. MLGs ensure reliable and repeatable level readings, even in applications with high temperatures and pressures. The magnetic float technology can handle rapid level changes while maintaining accuracy.

Low Maintenance and Long-Term Durability

- Magnetic level gauges are well-suited for harsh environments, offering long service life with minimal maintenance. This durability is particularly valuable in off-boiler and package boiler equipment, where temperature, pressure, and corrosive environments are common.

Cost-Effective Operation

- MLGs contribute to cost savings through reduced maintenance, increased uptime, and more efficient operation. Their robust design eliminates the need for frequent part replacements and lowers the risk of costly failures. Additionally, the clear visual display minimizes human error during level monitoring, enhancing overall system efficiency.

Simple Installation and Integration

- Magnetic level gauges are easy to install and can be configured to meet the specific needs of off-boiler and package boiler equipment. Their compact, rugged design allows for straightforward integration into existing systems, making them a flexible and practical solution for a wide range of industrial applications.

Equipment Types:

- **Deaerator Tanks:** Prevents oxygen corrosion by maintaining proper water levels, reducing system downtime and ensuring continuous operation.
- **Feed Water Heaters:** Ensures efficient heat transfer and helps avoid under-or over-filling, which can lead to equipment damage.
- **Condensate Tanks:** Supports optimal recovery of condensate for reuse, improving system efficiency and reducing energy costs.
- **Package Boilers:** Monitors precise water levels, ensuring safe boiler operation by avoiding dry firing, overpressure or inefficient fuel usage, which can result from improper water levels.

Magnetic level gauges offer a superior solution for monitoring liquid levels in off-boiler and package boiler equipment. Their durability, precision, and low maintenance needs make them an excellent choice for a variety of critical applications. By enhancing safety, efficiency, and cost-effectiveness, MLGs help ensure smooth operations across your industrial processes.

For any Section I application, compliance with the ASME Boiler and Pressure Vessel Code is mandatory.