JERGUSON®
A PRODUCT OF CLARK-RELIANCE

Improving Efficiency of Package Boilers for Optimal Performance & Reduced Operational Cost

UNDERSTANDING MAGNETIC LEVEL INDICATORS

Magnetic level indicators are used to provide accurate and continuous measurement of liquid levels within a boiler. 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.

BENEFITS OF PACKAGE BOILERS

Accurate Level Measurement
- **Precise Control**: Magnetic level indicators offer high precision in level measurement. This helps in maintaining the optimal water level within the boiler, which is crucial for efficient operation.
- **Reduced Manual Checking**: Automated and continuous level monitoring reduces the need for manual checks, minimizing human error.

Improved Safety
- **Early Detection of Issues**: Accurate level readings can help in early detection of problems such as low water levels, which could lead to boiler damage or unsafe conditions.
- **Avoiding Overflows**: Proper level measurement prevents overfilling or dry running, both of which can be dangerous and damaging.

Enhanced Efficiency
- **Optimized Fuel Usage**: Maintaining the correct water level ensures that the boiler operates at its designed efficiency, optimizing fuel consumption.
- **Reduced Wear and Tear**: Accurate levels reduce the risk of thermal stress and mechanical issues, leading to longer equipment lifespan and fewer maintenance needs.

Durability and Low Maintenance
- **Robust Design**: Magnetic level indicators are typically durable and can withstand high temperatures and pressures, making them suitable for harsh boiler environments.
- **Minimal Maintenance**: These indicators require less maintenance compared to other types of level measurement devices, leading to reduced downtime.

Integration with Automation Systems
- **Enhanced Control Systems**: Magnetic level indicators can be integrated with boiler control systems for automated adjustments and alarms, further enhancing operational efficiency.
- **Data Logging**: They provide real-time data that can be logged an analyzed for performance monitoring and optimization.

CONTACT US TODAY TO DISCUSS YOUR APPLICATION SOLUTION
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