Krueger Sentry Highlights The Importance of Tank Gauges for Potassium Hydroxide Safety

October 01, 2025

GREEN BAY, WI - October 01, 2025 -
Krueger Sentry Gauge, a provider of specialized liquid level gauges, underscores the critical role of reliable monitoring in potassium hydroxide (KOH) storage. The company's innovative solutions address the unique challenges faced by facility managers and chemical engineers dealing with this highly corrosive substance. Understanding the implications of failure in monitoring systems can greatly affect safety, compliance, and operational efficiency in chemical facilities. Poor monitoring can lead to catastrophic leaks, regulatory violations, and substantial financial losses.

Potassium hydroxide's aggressive alkaline nature can severely corrode conventional metal gauges, leading to leaks and mechanical failures. Facilities that utilize stainless steel or glass gauges face significant risks, resulting in costly operational disruptions. The corrosive action of KOH on metal components jeopardizes both accuracy in monitoring and safety, making it paramount for organizations to choose the right level gauges. Traditional materials simply cannot withstand the harsh chemical environment that KOH creates, often failing within months of installation.

"Reliable monitoring of potassium hydroxide storage is not just about avoiding downtime; it's about ensuring

safety from hazardous leaks," said Lee Geurts, Vice President at Krueger Sentry Gauge. "Our gauges are designed to withstand such aggressive conditions, offering peace of mind to facility managers."

Krueger Sentry Gauge's potassium hydroxide storage tank gauges are constructed from robust, chemically inert plastics such as PVC and PVDF. These materials eliminate the risk of corrosion while maintaining accuracy over extended use. The innovative design allows for visual readings without needing to open tanks or conduct manual checks, significantly reducing potential safety hazards. This closed-system approach protects workers from exposure to dangerous fumes and prevents contamination of the stored material.

Further enhancing their usefulness, Krueger Sentry's plastic gauges feature a straightforward mechanical design, which minimizes maintenance requirements. The absence of external power means fewer failure points, an important consideration in environments that demand high reliability. The gauges are also manufactured to precisely fit various tank dimensions, accommodating everything from bulk tanks to drums. Their modular construction allows for easy customization to meet specific facility requirements and installation constraints.

The Type PD gauge is specifically crafted for bulk potassium hydroxide storage, providing direct-reading monitoring for depths ranging from 6 to 110 inches. In contrast, the Type PB gauge addresses the needs of smaller storage solutions, such as drums, ensuring secure and reliable monitoring without exposing operators to unnecessary risks. Both models underscore Krueger Sentry's commitment to long-lasting performance and operational safety. These specialized designs reflect decades of experience in chemical storage applications and continuous feedback from industry professionals.

"At Krueger Sentry Gauge, we continually strive to innovate and enhance our monitoring solutions, prioritizing safety and compliance in every design," said Geurts. "The goal is to provide facility managers with tools they can trust completely."

In addition to their durable construction, these gauges significantly reduce long-term maintenance costs when compared to traditional stainless steel and glass options. The potential for gauge failures is vastly diminished, allowing facility managers to reallocate resources towards more critical operational functions. This reduction of routine maintenance enhances overall productivity while minimizing unplanned downtime and emergency repairs. The cost savings often justify the initial investment within the first year of operation.

Krueger Sentry's gauges also play a vital role in supporting regulatory compliance, as regulations dictate specific monitoring standards for hazardous materials like potassium hydroxide. The gauges meet these requirements, ensuring compatibility with secondary containment systems and double-wall tanks. Industry guidelines consistently favor plastic components for these applications, confirming the appropriateness of Krueger Sentry's design choices. Facility managers benefit not only from improved safety but also from

reliable inventory management and simplified compliance processes.

Incorporating Krueger Sentry's potassium hydroxide storage tank gauges enhances both operational efficiency and safety in chemical facilities. The robust design eliminates concerns over corrosion and mechanical failures, providing a safer working environment. Organizations looking to maintain high safety standards and compliance with regulations should consider these specialized monitoring solutions for their potassium hydroxide storage systems. Chemical plant engineers find the straightforward installation and minimal maintenance appealing, while procurement teams appreciate the domestic production and competitive pricing of their gauge solutions.

###

For more information about Krueger Sentry Gauge, contact the company here:Krueger Sentry GaugeLee Geurts920-434-8860info@ksentry.com1873 Siesta LaneGreen Bay, WI 54313

Krueger Sentry Gauge

At Krueger Sentry Gauge, for over 75 years we have manufactured over three million liquid-level gauges. We provide high-quality custom tank gauges for a variety of industries and applications.

Website: https://www.ksentry.com/

Email: info@ksentry.com

Phone: 920-434-8860