American-Made All-Plastic Gauges Set The Standard for Sodium Hypochlorite Storage Monitoring

September 16, 2025

GREEN BAY, WI - September 16, 2025 -
Krueger Sentry Gauge, a leading manufacturer of chemical level monitoring equipment, today announces its specialized solutions for enhancing safety and accuracy in bleach storage operations. The company's advanced gauging systems address critical challenges facilities face when monitoring sodium hypochlorite inventory, offering corrosion-resistant alternatives to traditional metal sight glasses and float gauges that frequently fail under harsh chemical conditions.

Sodium hypochlorite solutions create severe operational challenges due to their highly corrosive nature, typically reaching concentrations up to 15 percent by weight. This chemical aggressiveness causes conventional metal gauges and sight glasses to pit, seize, or provide inaccurate readings within months of installation. Facility operators using traditional devices encounter unplanned shutdowns, emergency chemical refills, and costly maintenance interventions that undermine production schedules and compromise employee safety protocols.

The company addresses these industry pain points through innovative all-plastic construction, with components machined in the USA from UV-stabilized PVC, polypropylene, and NSF/ANSI 61-approved

elastomers. These materials provide exceptional resistance to oxidative damage, UV exposure, and chemical attack. The design eliminates the corrosion vulnerabilities inherent in metal systems while maintaining precise measurement capabilities essential for safe chemical handling operations.

Krueger Sentry's bleach storage tank gauges utilize durable HDPE floats coupled with glass-filled polypropylene guide rods to withstand prolonged exposure to sodium hypochlorite without degradation. This material selection ensures long-term stability and accurate fluid level readings while allowing operators to monitor chemical volumes safely without risking exposure to harmful chlorine vapors that can violate OSHA respiratory protection standards.

The company's product line accommodates diverse storage configurations, from palletized drums to massive 12-foot bulk tanks. The PB Series targets 55-, 30-, and 15-gallon drums, featuring factory-calibrated stems marked in eighths and quarters to streamline inventory management. For larger applications, the PD Series handles tanks from 17 to 110 inches deep and integrates seamlessly with double-wall sleeves or vertical pipe risers common in industrial bleach storage systems.

Facilities transitioning from traditional dip sticks or corroding metallic gauges experience immediate improvements in safety and monitoring efficiency. Clear PVC sight tubes, protected by impact-resistant guards, enable operators to assess sodium hypochlorite levels visually without opening tank lids or entering confined, vapor-laden spaces. This approach reduces chemical exposure risks while supporting compliance with regulatory controls outlined in 29 CFR 1910.1450.

Krueger Sentry Gauge offers optional accessories designed for integration with modern facility automation systems. Audible alarms trigger when fluid levels cross predefined thresholds, alerting staff to potential shortages or overflow conditions. LED remote indicators enable monitoring from distances up to 200 feet, connecting fluid measurements to SCADA systems via dry-contact inputs for enhanced operational oversight.

"Our mission has always been to provide solutions that make chemical storage safer and more reliable," states Lee Geurts, Vice President at Krueger Sentry Gauge. "These specialized gauges embody that mission by offering unmatched durability, accuracy, and ease of use while helping facilities maintain uninterrupted operations and protect their workforce."

Robust polycarbonate gauge guards protect instrumentation from environmental wear and forklift-related impacts in busy industrial zones or outdoor installations. These protective features increase equipment lifespan and reduce maintenance costs while ensuring consistent performance in demanding operational environments. The guards maintain visibility while providing essential protection against physical damage that commonly affects chemical monitoring equipment.

The company's expertise extends beyond bleach storage to include instrumentation for other hazardous chemicals including sulfuric acid, chlorine, and hydrochloric acid. This comprehensive approach has established Krueger Sentry Gauge as a trusted supplier to municipal and industrial water treatment plants, pulp and paper mills, and municipal bleach warehouses nationwide.

Krueger Sentry Gauge's corrosion-resistant monitoring solutions represent proven American manufacturing excellence designed to meet increasingly stringent regulatory requirements. The company's all-plastic construction methodology eliminates traditional failure points while providing the accuracy and reliability essential for safe chemical storage operations.

These specialized gauging systems remain available for immediate deployment across multiple industries requiring enhanced bleach storage safety, improved inventory management capabilities, and regulatory compliance assurance in facilities managing sodium hypochlorite throughout the United States

###

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