Krueger Sentry Showcases Specialized Ammonia Gauges for Storage Tanks

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GREEN BAY, WI - May 26, 2026 -
Krueger Sentry Gauge, a manufacturer of fluid level instrumentation, announced continued availability of a line of ammonia gauges engineered for use with storage tanks and barrel containers across agricultural, industrial, and refrigeration applications. The company provides gauges designed to withstand the unique chemical and pressure demands associated with anhydrous ammonia storage, serving facilities that rely on accurate level measurement for safety and operational efficiency.

Ammonia remains one of the most widely used chemicals in North American industry. From large-scale agricultural fertilizer distribution to cold storage refrigeration systems, the safe containment and monitoring of ammonia in pressurized vessels requires instrumentation purpose-built for the substance. Standard liquid level gauges are often insufficient for ammonia service due to the chemical's corrosive properties and the elevated pressures at which it is typically stored. Krueger Sentry Gauge addresses this need with gauge assemblies constructed from materials compatible with anhydrous ammonia environments.

Krueger Sentry Gauge?s ammonia gauge product lineup includes mechanical level, swing arm and pop-up indicators rated for the pressure and temperature ranges common in both stationary tanks and portable barrel

storage. Each Krueger Sentry ammonia storage gauge is manufactured with corrosion-resistant wetted parts and sealed housings intended to prevent leaks in high-pressure ammonia service. The instruments are designed to provide continuous, direct-read level indication without requiring electronic power, making them suitable for remote tank installations where electrical infrastructure may be limited.

Lee Geurts, Vice President of Krueger Sentry Gauge, noted the importance of reliable instrumentation in ammonia handling environments. "Ammonia storage requires gauges that are built specifically for the application. The pressures, temperatures, and chemical compatibility demands are not something you can address with general-purpose equipment," Geurts said. "Our gauges are engineered from the ground up for ammonia service, and we manufacture them to meet the standards that facilities depend on for both safety and regulatory compliance."

Tank operators in the agricultural sector frequently store anhydrous ammonia in nurse tanks and large stationary vessels during planting seasons. Accurate level measurement in these containers is critical for inventory management and for preventing overfilling, which poses significant safety hazards. Krueger Sentry Gauge provides instrumentation options for both fixed-location bulk storage tanks and smaller mobile units used in field distribution. The company's product configurations accommodate a range of tank sizes,connection types, and mounting orientations commonly found in ammonia storage infrastructure.

Industrial refrigeration represents another major segment where ammonia level gauges play a vital role. Cold storage warehouses, food processing plants, and ice-making facilities use ammonia as a refrigerant in closed-loop cooling systems. Precise level monitoring within receivers, intercoolers, and other system vessels helps operators maintain optimal refrigerant charges and identify potential issues before they escalate. Krueger Sentry Gauge supplies gauges suitable for these refrigeration system components, with designs that account for the temperature extremes and vibration present in mechanical equipment rooms.

Geurts emphasized the company's focus on durability and long service life. "Facilities that handle ammonia need instrumentation they can rely on for years without failure. We design our gauges with robust construction and quality materials because downtime or a gauge failure in an ammonia system is not just an inconvenience, it is a safety concern," he said.

The manufacturing process at Krueger Sentry Gauge includes pressure testing and quality verification procedures intended to confirm each unit meets performance specifications before shipment. The company maintains inventory of commonly ordered ammonia gauge configurations to support timely delivery for both planned installations and replacement needs. Custom configurations are also available for applications with non-standard tank dimensions or connection requirements.

Compliance with applicable industry standards is a key consideration in ammonia gauge design. Facilities

storing anhydrous ammonia are subject to regulations from agencies including the Occupational Safety and Health Administration and the Environmental Protection Agency, both of which mandate proper monitoring and leak prevention measures for hazardous chemical storage. Krueger Sentry Gauge produces instrumentation intended to help operators meet these monitoring requirements as part of their broader process safety management programs.

The company serves customers across the United States and internationally, supplying ammonia gauges to end users, equipment distributors, and original equipment manufacturers who integrate level instrumentation into tank assemblies. Krueger Sentry Gauge maintains technical support resources to assist customers with gauge selection, sizing, and installation planning for ammonia storage applications.

For more information about ammonia gauges and other fluid level instrumentation, visit the Krueger Sentry Gauge website.

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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