

Honglun's New KHB Ball Valve Delivers Leak-Free High-Pressure Hydraulic Solutions

CANGZHOU, HEBEI, CHINA, June 30, 2026 /EINPresswire.com/ -- Hejian Honglun Hydraulic Parts Co., Ltd. (HL FLUID), a leading Chinese manufacturer of hydraulic and pneumatic quick coupling systems since 2010, has officially introduced its latest innovation—the KHB Ball Valve Series, engineered to deliver [leak-free performance under high-pressure hydraulic conditions](#). This new product launch further strengthens the company's position as a global provider of reliable fluid power solutions for demanding industrial environments.

A New Standard in High-Pressure Hydraulic Control

In modern hydraulic systems, precision, sealing integrity, and pressure resistance are critical factors that determine overall system performance and safety. The newly developed KHB Ball Valve series by HL FLUID is designed to meet these strict requirements, offering superior leak-proof performance even under extreme working pressures. Built on years of engineering expertise in hydraulic quick couplings and fluid control components, the KHB Ball Valve integrates advanced sealing technology and precision-machined internal structures to ensure stable and reliable operation



across a wide range of industrial applications.

From heavy machinery and automated production systems to oil fields and chemical processing environments, the valve is engineered to maintain consistent performance where fluid control accuracy is essential.

Engineering Excellence Rooted in Hydraulic Expertise

Since its establishment in 2010, HL FLUID has grown from a small workshop into a 12,000-square-meter advanced manufacturing facility, specializing in hydraulic and pneumatic quick couplings and related components. Over the years, the company has built a reputation for combining traditional craftsmanship with modern automation to meet global industrial demands.

The KHB Ball Valve represents the next evolution of this engineering journey, incorporating the company's deep understanding of hydraulic system behavior and fluid dynamics.

Designed for high-pressure environments, the valve ensures:

- Zero-leak sealing performance
- Enhanced structural strength under continuous load
- Stable operation across extreme temperature variations
- Long service life with reduced maintenance requirements

Advanced Manufacturing Capabilities

HL FLUID's production system is built on high precision and automation. The company operates more than 150 CNC machining centers, ensuring micron-level accuracy for every component produced. With four dedicated assembly lines, the company is capable of maintaining high-volume output without compromising quality consistency.

Unlike many manufacturers that rely on outsourcing, HL FLUID maintains full in-house control of production. From raw material selection and machining to assembly and testing, every step is strictly managed to ensure product reliability and traceability.

This vertically integrated manufacturing model allows HL FLUID to guarantee stable quality across all product lines, including its newly launched KHB Ball Valve series.

International Standards and Global Compatibility

HL FLUID's products are designed to meet global industrial standards, including ISO, DIN, and SAE certifications, ensuring compatibility across international markets. The company's quick couplings and hydraulic components are widely interchangeable with globally recognized brands such as Parker, Faster, Aeroquip, Hansen, Nitto, Foster, CEJN, and Rectus.

This compatibility ensures that the KHB Ball Valve can be seamlessly integrated into existing hydraulic systems without requiring complex modifications, making it an ideal solution for global industrial users.

Wide Industrial Applications

The new KHB Ball Valve is designed for use in a broad range of industrial sectors, including:

- Hydraulic systems for heavy construction machinery
- Oil and gas pipeline control systems
- Shipbuilding and marine engineering applications
- Military-grade hydraulic equipment
- Aerospace and aviation support systems

□Automated manufacturing and robotics systems

□Chemical and power generation industries

□Fire protection and emergency hydraulic systems

Its versatility makes it a critical component for industries where hydraulic reliability directly impacts operational safety and efficiency.

Precision Engineering and Quality Control

At HL FLUID, quality is not an afterthought—it is the foundation of manufacturing. The company implements strict quality control processes at every stage of production, supported by advanced inspection equipment and testing systems.

Each KHB Ball Valve undergoes rigorous performance testing to ensure:

□Pressure resistance verification

□Leakage detection under extreme conditions

□Material strength and fatigue testing

□Dimensional accuracy checks

This ensures that every unit delivered meets the highest standards of safety and durability.

Custom Solutions for Extreme Conditions

HL FLUID also provides customized hydraulic solutions for clients with specialized operational requirements. Whether it is ultra-low temperature environments such as -40°C Arctic conditions or high-temperature industrial settings reaching 200°C, the company's engineering team can design tailored solutions to meet specific performance needs.

This customization capability has made HL FLUID a trusted partner for industries that require highly specialized hydraulic components.

Global Market Expansion and Industry Reach

Over the years, HL FLUID has expanded its market presence to more than 30 countries and regions, including the United States, United Kingdom, Germany, Spain, Italy, Poland, Russia, and Southeast Asia.

With over 20 domestic sales branches and a strong international distribution network, the company continues to strengthen its global footprint in the hydraulic components industry.

Commitment to Innovation and Sustainability

Beyond performance and reliability, HL FLUID is also committed to sustainable manufacturing practices. By optimizing material usage and reducing production waste through precision machining, the company minimizes environmental impact while improving efficiency.

This sustainability-driven approach reflects the company's long-term vision of responsible industrial manufacturing aligned with global environmental standards.

Conclusion

The launch of the KHB Ball Valve Series marks another significant milestone for Hejian Honglun Hydraulic Parts Co., Ltd. As global industries continue to demand higher performance, safer operation, and greater reliability from hydraulic systems, HL FLUID continues to lead through innovation, precision engineering, and manufacturing excellence.

By combining advanced production technology with decades of hydraulic expertise, HL FLUID is not only delivering components but also building trust and reliability across global industrial systems.

For more information, please visit the official website: <https://www.hlfluid.com/>

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