

Micro Magnetic Gear Pump: Revolutionizing Fluid Transportation with Precision and Performance

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For More Information
www.chenhuipump.com



Zhuhai, Guangdong Apr 30, 2025 (Issuewire.com) - Zhuhai Chenhui Technology Co., Ltd., a leading innovator in fluid handling solutions, is thrilled to announce the launch of the MPB015 Micro **Magnetic Gear Pump**. Designed with precision and cutting-edge technology, the MPB015 is set to redefine how industries handle fluid delivery by offering unmatched accuracy, reliability, and efficiency. This revolutionary pump is engineered for a wide range of applications, from low- to high-pressure fluid transport, and it stands out for its ability to perform without pulsation, leakage, or excessive noise.

The MPB015 is the perfect solution for businesses seeking a high-performance pump capable of handling a flow rate between 20 and 2000 ml/min and a differential pressure range of 0.5-20 bar. Whether it's for sensitive applications or high-precision industries, this pump guarantees optimal performance with low noise and extended lifespan, making it an invaluable tool for businesses across multiple sectors.

No Pulsation, Accurate Delivery for Fluid Transport

In industries where precise fluid transport is crucial, the MPB015 is a game-changer. Thanks to its magnetic drive principle, the pump's gears ensure continuous, accurate fluid transportation without the interruption of pulsations. This means that regardless of the fluid's viscosity, businesses can rely on

consistent and steady delivery. Moreover, the integration of servo and stepper motor technology ensures delivery accuracy within $\pm 0.5\%$, offering performance that meets and exceeds the demands of the most stringent applications.

“We believe the MPB015 is a transformative solution for industries that require highly accurate and stable fluid delivery. Its precision, combined with the ability to handle high pressures, makes it a unique product in the market,” said Grace Lee Zhuhai Chenhui Technology Co., Ltd. “This pump is engineered not just to meet industry standards but to set new benchmarks for excellence.”

Unmatched Strength: Strong Vacuum Suction and Stable Conveyance Pressure

The **Magnetic Gear Pump** is built to withstand challenging working conditions. Its strong vacuum suction capacity allows it to deliver fluids effectively, even in low-viscosity environments, while maintaining stable conveyance pressure. With this exceptional suction power, the pump ensures that businesses can rely on it for high-pressure deliveries, even with difficult-to-pump fluids.

Key Features of the MPB015 Micro Gear Pump:

- No Pulse, Accurate Fluid Delivery
- Magnetic Drive Technology Ensures Zero Leakage
- Long Operational Lifespan with Advanced Craftsmanship
- Compact Size and High Efficiency
- Low Noise with Reduced Vibration
- Versatile Range for Fluid Transport (20-2000ml/min, 0.5-20bar differential pressure)

Innovative Magnetic Drive and No Leakage

One of the standout features of the MPB015 is its magnetic drive system that ensures there is no mechanical contact between the drive and pump components, a key factor in achieving zero leakage. This design also eliminates the wear and tear typically seen in traditional pumps, which further contributes to the long lifespan of the pump. The static O-ring seal works in tandem with the magnetic coupling to fully isolate the medium inside the pump from the external environment, enhancing both safety and efficiency.

By removing the risk of leakage, the MPB015 ensures that sensitive fluids are handled safely and securely, making it ideal for use in industries such as pharmaceuticals, chemicals, and food processing.

Low Noise and Smooth Operation

Traditional pumps often produce significant noise and vibrations, making them disruptive to the workplace and reducing their lifespan. The MPB015, however, incorporates helical gears that are specifically designed for smooth meshing, which reduces friction, impact, and vibration. Additionally, the magnetic coupling system transmits torque without mechanical contact, ensuring that the pump operates quietly and smoothly, perfect for noise-sensitive environments.

The Next Step in Fluid Delivery Innovation

Zhuhai Chenhui Technology Co., Ltd. has always been at the forefront of fluid handling technology, continuously innovating to meet the evolving needs of its customers. The [Magnetic Gear Pump](#) is the

result of years of research and development, combining advanced craftsmanship and high-performance technology to deliver a pump that is not only efficient but also sustainable.

“Our focus has always been to bring innovative products to market that are not only high-performance but also practical,” said Grace Lee at Zhuhai Chenhui Technology Co., Ltd. “With the MPB015, we’ve created a solution that not only solves common fluid delivery challenges but also enhances the overall user experience.”

Long Lifespan and Maintenance-Free Performance

The **Magnetic Gear Pump** is designed for durability. With its high-performance components and precision engineering, the pump boasts a long operational lifespan, making it a cost-effective choice for businesses looking to minimize downtime and maintenance costs. The low maintenance requirement further increases its appeal, as businesses can enjoy uninterrupted operation with minimal effort.

Designed for Versatility and Efficiency

With its compact size, the MPB015 is easy to integrate into a variety of industrial systems, whether for small-scale or large-scale operations. Its versatility in handling different flow rates and pressures means it can cater to a wide range of applications, including fluid handling in chemical processing, pharmaceuticals, food and beverage production, and more. Businesses in any of these sectors will find that the MPB015 meets their unique needs while offering cost savings and improved performance.

Transform Your Operations with MPB015

The **Magnetic Gear Pump** is not just a pump; it’s a transformative solution that will elevate the performance and efficiency of any business relying on accurate and stable fluid delivery. With its innovative technology, low-maintenance operation, and durability, the MPB015 is poised to become the go-to choice for industries seeking the best in fluid transport solutions.

About Zhuhai Chenhui Technology Co., Ltd.

[Zhuhai Chenhui Technology Co., Ltd.](#) is a leading provider of cutting-edge solutions for fluid handling, specializing in the design and manufacturing of high-performance gear pumps. With a commitment to innovation, precision, and quality, the company has earned a reputation for delivering reliable and efficient products to a wide range of industries. Zhuhai Chenhui Technology continues to shape the future of fluid transportation by providing sustainable and advanced solutions that meet the unique challenges of its customers.

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