



Introducing the MPB015 Micro Magnetic Drive Gear Pump: Precision, Efficiency, and Innovation in Every Drop

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Magnetic drive gear pump | chenhui technology - Friday, May 16, 2025.

Submitted by **Micro Gear**

Zhuhai Chenhui Technology Co., LTD, a leading innovator in fluid technology, is excited to announce the launch of the MPB015 **Micro Gear Pump With BLDC Motor** featuring an integrated BLDC 70W motor. This cutting-edge pump is designed to meet the rigorous demands of industries that require high precision, high efficiency, and minimal maintenance. Whether it's a high-speed application or a low-viscosity liquid transfer, the MPB015 promises to deliver top-tier performance that will transform how industries approach fluid delivery.

Imagine a pump so precise that it ensures fluid is transported with no pulse, creating a seamless experience with minimal deviation. The MPB015 sets a new standard for reliability, efficiency, and longevity, offering businesses a pump that works tirelessly, even in the most challenging environments. With its unique features, such as a magnetic drive, shaftless motor, and low-noise operation, this pump addresses key issues faced by industries worldwide—making it an essential tool for any high-performance setting.

Revolutionizing Fluid Delivery: The MPB015 Gear Pump Solution

The MPB015's ability to provide continuous, accurate fluid transportation makes it ideal for industries that demand high precision and minimal maintenance. Unlike traditional pumps, the MPB015 uses gears that work together to achieve a servo and stepper motor delivery accuracy of $\pm 0.5\%$, making it the ideal choice for delicate fluid handling. This precision makes the MPB015 particularly suitable for applications in pharmaceuticals, chemicals, and food processing, where accuracy is paramount.

The MPB015's strong vacuum suction capacity ensures that even low-viscosity liquids can be moved at high pressure, providing a high and stable conveyance pressure for an enhanced user experience. Whether dealing with aggressive liquids or high-temperature applications, the MPB015 remains steadfast in its performance.

Zhuhai Chenhui Technology Co., LTD has always been at the forefront of innovation, consistently developing solutions that optimize fluid delivery systems. With the launch of the MPB015, the company is reaffirming its commitment to providing high-quality, sustainable products that meet the ever-evolving needs of industries worldwide.

WHY THE MPB015 STANDS OUT: FEATURES AND BENEFITS?

Key features of the MPB015 Micro Magnetic Drive Gear Pump include:

- **No-Pulse Accurate Delivery:** Ensures smooth, continuous fluid flow, vital for precision applications.
- **Magnetic Drive with Static O-Ring Seal:** Guarantees no leakage, providing a reliable, sealed environment for the fluid.
- **Compact and Flexible Design:** Smaller size allows for easy installation, even in constrained spaces.
- **Low Noise Operation:** Transmission through magnetic coupling eliminates mechanical contact, reducing friction and vibrations.
- **Long-Lasting Performance:** The brushless BLDC motor reduces wear and tear, offering enhanced durability.

"We are excited to bring this new product to market. The MPB015 is a game-changer in fluid delivery technology," said Grace Lee, CEO of Zhuhai Chenhui Technology. "By combining magnetic drive technology with a brushless motor, we have created a pump that offers outstanding performance, longevity, and flexibility. This pump will undoubtedly meet the growing demand for high-efficiency fluid transportation across various industries."

THE TECHNOLOGY BEHIND THE MPB015 GEAR PUMP

The MPB015 **Micro Gear Pump With BLDC Motor** stands out due to its advanced magnetic coupling technology, which ensures there is no mechanical contact between moving parts, thereby reducing wear and tear and extending the pump's

lifespan. This unique feature ensures the pump operates quietly, offering low noise performance, even in high-speed and high-efficiency settings.

The static O-ring seal enhances the pump's ability to handle a wide range of fluids by preventing leakage, which is a common concern with conventional pumps. In high-precision applications, leakage can lead to costly downtime and contamination. The MPB015 ensures a completely isolated fluid system, safeguarding the integrity of your operations.

The BLDC 70W motor integrated with the pump allows it to operate with higher efficiency and lower power consumption, making it an eco-friendly solution for industries looking to reduce their carbon footprint while still achieving excellent performance.

IMPACT ON INDUSTRIES: BRIDGING THE GAP IN FLUID DELIVERY

The MPB015 Micro Magnetic Drive Gear Pump is poised to be an indispensable solution in industries such as chemical manufacturing, pharmaceuticals, and food processing. These sectors require highly efficient, accurate, and durable fluid transport systems to ensure the safety and consistency of their products.

Furthermore, the MPB015 addresses the growing need for smaller, more flexible solutions that can be seamlessly integrated into compact spaces. Its compact size and shaftless design allow it to be installed easily in environments where space is a premium, without compromising on performance.

Setting New Standards in Efficiency and Reliability

In addition to its high performance and long service life, the MPB015's efficiency is a standout feature. Its ability to maintain a high conveyance pressure in low viscosity liquids helps companies overcome challenges traditionally faced with other pumps, leading to reduced maintenance costs and increased uptime.

The MPB015's low-noise operation is another key advantage for environments where noise control is critical. This makes it the perfect choice for industries such as healthcare and laboratories, where a quiet and efficient pump can make all the difference.

AVAILABLE NOW FOR INDUSTRIES WORLDWIDE

The MPB015 **Micro Gear Pump With BLDC Motor** is available for order today. Interested companies and professionals can visit <https://www.chenhuiump.com/> to learn more about the product, download detailed product specifications, or request a demo to see the MPB015 in action.

With a focus on sustainability and efficiency, Zhuhai Chenhui Technology is paving the way for a new era in fluid handling. The MPB015 is just one example of how the company continues to push boundaries and provide groundbreaking solutions to meet the ever-growing demands of the global market.

ABOUT ZHUHAI CHENHUI TECHNOLOGY CO., LTD

Zhuhai Chenhui Technology Co., LTD is a leading innovator in fluid technology solutions, specializing in high-efficiency pumps and fluid systems. With a commitment to quality, precision, and sustainability, the company has established itself as a trusted provider of cutting-edge products that cater to industries such as pharmaceuticals, chemicals, food processing, and more. Zhuhai Chenhui Technology continues to drive forward-looking advancements in fluid technology, ensuring that its customers benefit from the most reliable and efficient solutions available.

About Magnetic drive gear pump | chenhui technology

Leading fluid technology inventor **Zhuhai Chenhui Technology Co., LTD** is pleased to announce the release of the MPB015 **Micro Gear Pump With BLDC Motor** which has an integrated BLDC 70W motor. The strict requirements of businesses requiring high precision, high efficiency, and low maintenance are met by this state-of-the-art pump. The MPB015 promises to give top-tier performance that will revolutionize how industries approach fluid delivery, whether it is used for low-viscosity liquid transfers or high-speed applications. Imagine a pump that is so accurate that it guarantees fluid movement without pulse, resulting in a smooth experience with no variation. The MPB015 offers businesses a pump that operates ceaselessly, even under the most demanding conditions, setting a new benchmark for dependability, efficiency, and longevity. To know more information, please feel free to [contact us today](mailto:sales@zhchenhui.com) at +86 13425066761 or email us at sales@zhchenhui.com and you can also visit us again here: <https://tinyurl.com/5n8pmu2n>

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