

### **Runhe Hydraulic P30 Gear Pump - Your Professional Solution**

In the field of hydraulic transmission, the reliability and efficiency of every component directly impact the overall performance of the system. Runhe Hydraulic Technology Co., Ltd. remains committed to innovation and application in hydraulic technology, crafting the P30 gear pump as a premium product that balances performance and durability. This product inherits the design essence of classic gear pumps while incorporating meticulous modern manufacturing techniques, aiming to provide stable and efficient hydraulic power support for various industrial equipment.

Since its inception, Runhe Hydraulic Technology Co., Ltd. has focused on technological R&D and product innovation in the hydraulic transmission field. The company possesses modern production facilities and a professional R&D team, equipped with advanced precision machining equipment and testing instruments. A comprehensive quality management system is established, covering every stage from raw material selection to finished product shipment. Leveraging deep expertise in hydraulic technology and keen market insight, Runhe Hydraulic's products serve numerous industries and have earned widespread customer recognition.

As one of Runhe Hydraulic's mature products, the P30 gear pump exemplifies the company's professional standards in gear pump design and manufacturing. Featuring an external gear design and a high-strength cast iron pump body, it ensures structural robustness. Its straight-toothed gears and standard tooth profile design facilitate smooth flow output with minimal pulsation. This classic, robust structural design enables the P30 gear pump to adapt to complex operating environments.

In terms of performance, the P30 gear pump offers a displacement range from 16.4 ml/rev to 80.7 ml/rev, meeting diverse flow requirements across different equipment. With a maximum rated working pressure of 172 bar and stable operation across 600 to 2400 rpm, these characteristics make it particularly suitable for hydraulic systems in construction machinery like dump trucks. To ensure durability under high-pressure conditions, critical components of the P30 gear pump are crafted from premium alloy steel and undergo precise carburizing, quenching, and grinding processes, significantly enhancing wear resistance and service life.

An outstanding gear pump requires not only robust performance but also excellent overall characteristics. The P30 gear pump prioritizes low-noise and low-pulsation operation in its design. Through optimized tooth profiles and precision machining, it minimizes vibration and noise during operation, contributing to a better equipment operating environment. Additionally, its compact structural design facilitates installation and layout within equipment, simplifying overall machine configuration.

The P30 gear pump exhibits broad adaptability to working fluid viscosities, smoothly conveying media such as hydraulic oil and lubricating oil. Its seals can be constructed from fluorocarbon rubber (FKM), offering excellent oil resistance, high-temperature tolerance, and anti-aging properties, ensuring reliable sealing performance across a wide temperature range.

In application fields, Runhe Hydraulic's [P30 gear pump](#) has become the preferred component for many equipment manufacturers due to its reliable performance. It is suitable not only for dump trucks but also widely applicable in construction machinery, mining equipment, agricultural machinery, and numerous other sectors. Its mature technology and high market penetration also mean a relatively well-established network for parts supply and after-sales service, ensuring users receive timely technical support and maintenance guarantees during operation.

We consistently prioritize customer-centricity, offering not only standardized premium products but also customized gear pump solutions tailored to specific client requirements. Our technical service team provides comprehensive support—from selection consultation and installation guidance to maintenance—ensuring an optimal user experience.

Looking ahead, Runhe Hydraulic will continue to uphold the business philosophy of “Quality First, Customer Supremacy, and Technological Innovation.” We will continuously optimize the performance of products like the [P30 gear pump](#), enhancing its reliability and environmental adaptability. We are confident that the P30 gear pump, embodying Runhe Hydraulic's craftsmanship and technological expertise, will deliver stable performance and become a reliable power source for your equipment.

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