



Fluorine lined magnetic pump+CQB50-32-125F

URL:<https://www.sxplc.com/fluorine-lined-magnetic-pump-cqb50-32-125f>

Product data sheet

CQB50-32-125 stainless steel magnetic driven centrifugal pump (referred to as magnetic pump) is a new type of pump that applies modern magnetic principles and utilizes the magnetic transmission of permanent magnets to achieve contactless torque transmission. When the motor drives the outer rotor (i.e. the outer magnetic steel) assembly to rotate, the magnetic field's magnetic field passes through the isolation sleeve to drive the inner rotor (i.e. the inner magnetic steel) assembly and impeller to rotate synchronously. Due to the medium being enclosed in the static isolation sleeve, it achieves the purpose of non leakage pumping of the medium and solves the problem of shaft seal leakage in mechanical transmission pumps. This new type of industrial pump is designed to be fully sealed, leak free, pollution-free, efficient and energy-saving. Its performance meets international standards and can replace expensive imported ones. Chemical pumps.

Advantages of CQB50-32-125 stainless steel magnetic drive centrifugal pump products:

1. The pump body, impeller, and pump cover are designed using CFD computer fluid dynamics for modular design and precision casting of hydraulic components. It has the characteristics of wide flow channel, high efficiency, good cavitation margin performance, small radial force, smooth flow channel,

and good interchangeability;

2. The magnet is made of ferrite, neodymium iron boron, and samarium cobalt, which have good magnetism, high temperature resistance, and do not demagnetize; Its magnetic energy product is 28 megagauss Otes, and its temperature tolerance limit is 350 °C. Under conventional cooling conditions, its maximum operating temperature is limited to 260 °C;

3. The shaft sleeve and sliding bearing are made of high wear-resistant materials such as silicon carbide, graphite, and PTFE, and lubrication grooves are set up to effectively ensure the service life of the pump;

4. No leakage, all sealing points adopt closed static sealing, driven by magnetic couplings, without the need for nitrogen sealing, safe, economical, and efficient, solving medium leakage;

5. No need for independent lubrication and cooling water, reducing energy consumption;

6. The international standard axial coupling rear pull design eliminates the need for dismantling pipelines and facilitates maintenance;

7. Horizontal installation, low vibration, low noise, smooth operation, international standard design, interchangeable with standard centrifugal pumps, convenient for users to replace and use;

8. Transforming from coupling transmission to synchronous driving, there is no contact or friction. Low power consumption, high efficiency, and damping effect, reducing the impact of motor vibration on the pump and the impact of pump cavitation vibration on the motor;

Product Usage

The CQB50-32-125 stainless steel magnetic driven centrifugal pump is widely used in the production processes of petroleum, chemical industry, alkali production, smelting, rare earth, pesticide, dye,

medicine, papermaking, electroplating, electrolysis, radio, chemical foil, scientific research institutions, national defense industry, etc., to transport corrosive liquids. It is especially suitable for the transportation of flammable, explosive, volatile, toxic, high temperature, strong alkali, organic solvents, and precious liquids.

Performance range: Design pressure: 1.6-6.4Mpa, flow rate: 2-1400m³/h, head: 20-200m, power: 1.1-400kw

Applicable temperature: -30~120 °C, using new materials with temperature resistance up to -50~450 °C;

Attention: When placing an order with a medium density greater than 1.3mg/cm³, it should be noted that air transportation is prohibited, and conveying media containing particles or crystals is prohibited.

