CTMP 腾龙·泵阀

CHINA · TENGLONG MAGNETIC PUMP

FLUOROPLASTIC MAGNETIC PUMP





Notice:

The fluoroplastic magnetic pump is divided into three series: TMF、CQB、IMD.

TMF new upgrade is the latest magnetic pump, Main products.

There are many types of CQB, Please refer to the technical table.

IMD is a heavy-duty magnetic pump.

PREFACE - FLUOROPLASTIC MAGNETIC PUMP

Please understand first

Internal and external magnetic steel :

Magnetic pump in normal operating conditions, there is no phenomenon of aging demagnetization with the passage of time . But when the pump is overloaded , blocked , slid or operated. When the working temperature is higher than the allowable temperature of magnetic steel , demagnetization will occur. Therefore, the magnetic pump must operate under normal operating conditions.

Strengthening sleeve :

Use high resistivity, high rigidity of non-metallic materials to make strengthening sleeve, effectively avoid magnetic eddy current. The pressure limit of the reinforced sleeve is 2.4 MPA.

Impeller and mouth ring :

The impeller is molded with fluorine plastic, and the steel insert is wrapped in fluorine plastic to ensure the strength of impeller. The oral ring is generally made of filled polytetrafluoroethylene or silicon carbide material, super wear resistant and corrosion resistant.

Pump shell :

Made with HT200 lining F46, it can withstand part of the pipe gravity.

Base :

Adopt HT200 integral casting molding, the upper and lower all adopt the gantry milling machine to flatten, maximize to achieve the level and stability of the pump.

Sliding bearing :

Tetrafluorine filled SIN, SIC, SSIC and other materials, wear-resistant, corrosion resistance.

Please pay attention first

1. Ferromagnetic impurity and hard impurity are not allowed in the medium transported by magnetic pump. If there are ferromagnetic particles, magnetic filters are required.
2. The magnetic pump is not allowed to work at a rated flow rate of less than 30%.
3. For liquids with medium density greater than 1400 kg / m^3, we need to inform our sales department that magnetic couplings need to be redesigned.
4. The suction pressure (inlet pressure) is less than 0.6 MPA and the maximum working pressure is 2.0 MPA.
5. Preventing static electricity destruction: when conveying a liquid with low conductivity, such as ultra-pure water or organic solvent, static electricity will be produced when the pump is running. This will cause discharge and generate electrical sparks, should be takento elicit electrostatic or other measures.
6. Special medium select special grinding parts, such as hydrofluoric acid, pressureless sintered silicon carbide, nitric acid selected ceramic or silicon carbide.
7. The operating temperature range of fluoroplastic magnetic pump is-20 ℃-100 ℃.Whenthe temperature exceeds 100 ℃, it is necessary to replace the high-temperature resistant fluorineplastics and the magnetic coupling is redesigned.
8. When the ambient temperature in winter is lower than the solidification temperature of conveying medium, protective measures should be taken.

Special performance selection

Optional name	Description
Electrostatic conduction device	Prevention of fire caused by static electricity
Dry grinding resistance device	When there is no liquid, make sure it doesn't burn out
Insulation sleeve	Internal heat preservation of pump to prevent damage to magnetic pump
High temperature resistance	Suitable for use at 100 ℃ -170 ℃
Motor protection	Can cut off the power instantly
Special motor	For special cases
Special flange	Can make any standard flange

If you have other requirements, you can contact the sales department

Comprehensive customer service

1.Pre-sale services：Assist customer selection

2. After-sales service：Guarantee period of one year, three packets

Easily damaged parts

Easily damaged parts	Description
Impeller mouth ring	24 hours operating conditions, it is recommended to check every 1500 hours. Regular switching machine operating conditions, it is recommended to check once a month. After the long-term shutdown of the operating conditions, it is recommended to check before the boot.
Rotor	
Bearing	
Isolation sleeve	
Static ring	
Pump cover	