

Механические уплотнения TLJ, ZHJ, ZGJ, ZJ

Описание

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
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Иркутск (395)279-98-46
Казань (843)206-01-48

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Сургут (3462)77-98-35

Казахстан +7(7172)727-132

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Mechanical Seal

Product Description

Based on the introduction of advanced sealing technology from Germany, our company focuses on reasonable matching with the project site, and gives full play to the advantages of reliable quality and good sealing effect of mechanical seals. We always adhere to the quality first, abide by the "realistic and innovation, constantly transcend" concept, and spares no effort to provide customers with superior products and services. The main products are TLJ , ZHJ, ZGJ, ZJ and other types of mechanical seals.

1. Product name: TLJ type Mechanical seal

Structural features: single end face, multiple springs, balanced type, arbitrary rotation, static type, (clamping) transmission, cartridge mechanical seal. Single face balanced static structure, the compensating element is placed in the flange, and the seal ring protects the spring from contact with the medium to prevent the spring from being blocked and corroded. Multi-spring arrangement, uniform end face load, unlimited rotation direction, the shaft sleeve

is supported on the shaft through the seal ring, no axial movement, which will not cause damage to the shaft and can withstand a certain amount of axial running number. The structure of flow shroud makes the sealing cooling water fully uniform, the clamping transmission firm and reliable. The integral cartridge type makes the installation simple and convenient. Cooling water should be connected when used. The pressure of cooling water is 0.01-0.1mpa, which can realize natural flow, also known as "external flush mechanical seal".

Basic parameters:

Structure: single face

Pressure: normal pressure

Speed: medium speed

Temperature: normal temperature

Performance: wear and corrosion resistance

Balance: balance

Application areas: power plant flue gas desulfurization, salt chemical industry, papermaking, sewage treatment and other fields. It can be matched with desulfurization pump and pulp pump.

Specification range: 35 -250 mm

Product material:

The end face of rotating ring: silicon carbide/tungsten carbide

The end face of stationary ring: silicon carbide/tungsten carbide

Auxiliary seal: FKM /EPDM

Spring: SS316/HC276

Metal parts: SS316L/2507/2205

Operating parameters:

Pressure: 0 ~ 1.5MPa

Temperature: -20 ~ 130°C

Linear speed: ≤ 10 m/s

Applicable medium: gypsum slurry, paper pulp, sewage, etc. with solid content $\leq 30\%$.

2. Product name: ZHJ type mechanical seal

- Single face, integral cartridge type, bidirectional rotation, not affected by the adjustment of the pump shaft;
- The axial dimension of the integral part should be larger than the mounting dimension, so that the positioning block can be easily removed when installing;
- The seal water pressure must be higher than the pressure of the pump chamber by 0.1 MPa, so that it can run in clean water and be transported with the medium;
- The material of the friction pair is "L" pad inlaid hard alloy and silicon carbide, which can operate under high temperature medium for a long time. Different friction pairs can also be selected according to different media to ensure its long-term use effect.

Applicable medium: power plant ash removal, tailing slurry and other fluids containing

solid particles and crystalline.

Temperature: -20°C ~ 160°C

Pressure: 0-4 MPa

Linear speed: ≤15 m/s

Concentration: ≤40%

Shaft diameter: Φ30 –Φ 280

3. Product name: ZGJ type mechanical seal

Structural features:

- Single face, integral cartridge type, bidirectional rotation, not affected by the adjustment of the pump shaft;
- The axial dimension of the integral part should be larger than the mounting dimension, so that the positioning block can be easily removed when installing;
- Before starting the equipment, sufficient flush water should be opened first. Do not make the oil seal in the state of dry friction. The water pressure should not be too large (≤ 0.08mpa).
- The mechanical seal runs completely in the medium, with strong anti-blocking ability, suitable for high-concentration working conditions;
- The material of the friction pair is “L “ pad inlaid hard alloy and silicon carbide, which can operate under high temperature medium for a long time. Different friction pairs can also be selected according to different media to ensure its long-term use effect.

Applicable medium: alumina slurry, limestone, gypsum slurry, beneficiation slurry, coal washing slurry and other fluids containing solid particles and crystalline.

Temperature: -20°C ~ 160°C

Pressure: ≤4MPa

Linear speed: ≤15 m/s

Concentration: ≤35%

Shaft diameter: Φ60 -Φ 320

4. Product name: ZJ type mechanical seal

Structural features:

- Dual-face, integral cartridge type, unbalanced type, strong operational reliability.
- When the medium temperature is less than 70°C, the sealed cavity can be filled with 30# engine oil (remove the cooling water).
- The friction pair is made of inlaid hard alloy, and different friction pairs can be selected according to different media.

Applicable medium: acid, alkali, salt solution with particles, strong crystallinity, slurry, ash, impurity suspension.

Temperature: -20°C—150°C

Pressure: ≤2.4MPa

Linear speed: ≤12 m/s

Concentration: $\leq 40\%$

Shaft diameter: $\Phi 20 - \Phi 320$

It is suitable for the acid, alkali, salt solution with particles, strong crystallinity, and high concentration slurry, ash residue, impurity suspension.

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