

Mission Pump Parts



 **Xi' an • China**

energy  **Q1**
Registered
Manufacturer

Mission Pump Parts

Pump Frame



Pump frame for Mission pumps, commonly known as pump bracket, is mainly used to support and fix the pump, suitable for centrifugal pumps, sand pumps and other equipment.



Pump Frame

Mission Pump Volute



The volute of Mission pumps is a key component, mainly used for liquid guiding, impeller support and stable pump operation. Its concentric housing, front wear plate and wide impeller design make the centrifugal pump wear-resistant, long-lasting and low in maintenance cost.

Features

Rugged concentric casing with replaceable liner
longer service life, less wear and lower repair cost.

Wide semi-open impeller reduces axial thrust and
prolongs seal & stuffing box life.

Recessed casing gasket for protection.

Replaceable stuffing box cover with dual sliding bolts.

Optional stuffing boxes for single/double seals with
flush lines available.

Long-life maintenance-free mechanical seals.



Mission Pump Volute

Mission Pump Parts

Mission Pump Impeller



Mission pumps adopt open impellers with wide blades and large suction circumference, ensuring smooth flow for abrasive fluids.

As a key part of Mission centrifugal pumps, the impeller is efficient and wear-resistant, widely used in oil drilling.

Open impeller with tungsten carbide coated blades and ceramic shaft sleeve for high wear resistance.



Mission Pump Impeller

Mechanical Seal



Mechanical seal is a dynamic sealing device, mainly preventing fluid in the pump volute from leaking along the shaft.

As a precise and complex component, it is critical for various pumps.

Features

Mechanical seals include single, double and multi-face types. Double-face seals control leakage better but need higher precision.

Modern cartridge double seals integrate all components, allowing easy installation without adjustment and less human error.



Mechanical Seal

Mission Pump Parts

Mechanical Seal Box



Seal box for Mission pumps is used in mechanical seal systems, sealing rotating & stationary faces and isolating pump body from end cover.



Mechanical Seal Box

Wear-resistant Shaft Sleeve



Mission pump wear sleeves are used in oil drilling and mud transportation, featuring wear and corrosion resistance.



Wear-resistant Shaft Sleeve

Bearing Housing



The bearing housing supports the two screw pump rotors through bearings.

Bearing plate and housing are sometimes integrated. Manufacturing and assembly accuracy of the pump body, bearing plate, housing and rotors directly determine the pump's quality and reliability.



Bearing Housing



Xi'an Tianrui Petroleum Machinery Equipment Co., Ltd., established in 2010, is a modern manufacturer of solids control equipment certified to both API Q1 and ISO 9001 standards.

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