

High Pressure Plunger Water Injection Pump

This series can be used for oil field and coal mine water injection and well washing. It can also function as a hydraulic piston pump, surface pump, thermal recovery boiler feed pump, microbial solution pump and provide hydraulic power for various equipment.



Overview



The pump unit undergoing performance testing to ensure operational stability and safety compliance.

High-Performance Industrial Plunger Pump

This high-pressure plunger pump is engineered for demanding industrial water injection applications, including oil field and coal mine operations. Featuring a robust crank-connecting rod mechanism and an integral horizontal straight-through valve structure, it offers high efficiency and stable operation. Built-in temperature and pressure protection devices ensure enhanced safety and reliability, while the design facilitates straightforward maintenance and a long service life.

Technical Specifications

Key Performance Metrics

44 MPa

Max Discharge Pressure

80 °C

Max Medium Temperature

Suction Pressure Range

0.03 - 1.5 MPa

Compatible Media

Clear Water, Sewage

Design & Construction



Durable pump assembly designed for reliable performance in demanding industrial environments.

Structural Features

- Crank-connecting rod power end mechanism
- Integral head structure of horizontal straight-through combined valve
- Integrated temperature protection
- Integrated pressure protection

Typical Applications

Oil Field Water Injection, Coal Mine Water Injection, Well Washing, Hydraulic Piston Pumping, Thermal Recovery Boiler Feed, Microbial Solution Pumping