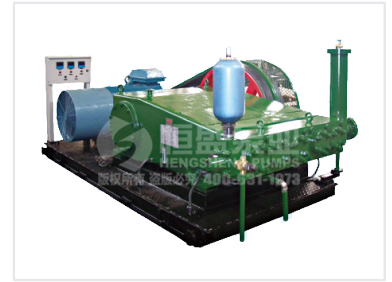


# High-Pressure Polymer Injection Pump

This pump series is designed for injecting polymer solutions in tertiary oil recovery. It features a compact, lightweight design with corrosion-resistant materials, ideal for transporting high-pressure liquids.



## Overview

### High-Pressure Polymer Injection Pump

This series of high-pressure pumps is specifically engineered for polymer solution injection in tertiary oil recovery technology. Designed with a focus on efficiency, the pumps feature a compact, lightweight construction that simplifies operation and maintenance. The hydraulic end utilizes corrosion-resistant materials and an integral pump head design to ensure durability and performance when handling high-viscosity liquids.

## Performance Metrics

### Key Performance Metrics

**80 °C**

Max Medium Temp

**25 MPa**

Max Discharge Pressure

Suction Pressure Range

0.03 - 1.0 MPa

## Applications

### Primary Applications

- Oil field water injection
- Coal mine water injection
- Well washing
- Hydraulic piston pump
- Surface pump application
- Thermal recovery boiler feed
- Microbial solution pumping

Transportable Media

Clear Water, Sewage, Polymer Solution, High Viscosity Liquid

## Design Features

### Structural Benefits

- Corrosion-resistant hydraulic end components
- Integral pump head design
- Up-suction and down-discharge configuration
- Low convection resistance valve design
- Reduced viscosity degradation
- Low shear rate operation

### Operational Characteristics

Compact Volume • Lightweight • Easy Maintenance