

8-Inch Slurry Pump for Mining

This slurry pump is designed for transporting slurry containing abrasive solid particles in industries like mining, metallurgy, and electric power. Its robust construction and wear-resistant parts ensure reliable operation in demanding environments.



ADDITIONAL IMAGES



Overview

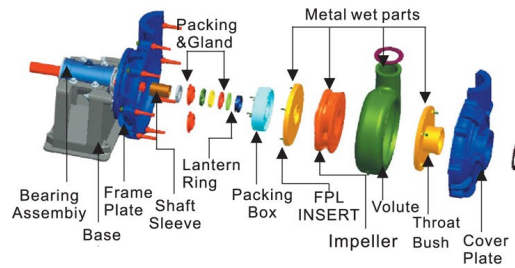


Fully assembled 8-inch slurry pump unit mounted on a reinforced steel base for mining operations.

Heavy-Duty 8-Inch Slurry Pump

This 8-inch slurry pump is specifically engineered for the demanding environments of gold mining and mineral processing. Designed as a single-stage, centrifugal, double-casing horizontal pump, it excels at transporting abrasive and high-density slurries. Its robust construction ensures efficient solids handling and long-lasting performance in industries ranging from metallurgy and coal washing to environmental protection and dredging.

Technical Design



Detailed internal structure showing the bearing assembly, shaft sleeve, and wet end components including the impeller and volute.

Pump Structure

- Single stage, single suction centrifugal design
- Overhang shaft with double-casing horizontal configuration
- High strengthened base connected by bolts
- Adjustable impeller clearance via frame plate bolts
- Interchangeable wet end materials (Metal or Rubber)

Bearing Assembly Features

- High rigidity shaft for heavy-duty conditions
- Cartridge bearing assembly for easy maintenance
- Grease-lubricated bearings in sealed housing
- Dual labyrinth seals to prevent contamination
- Stainless steel shaft sleeve with O-ring protection

Materials & Durability



Comprehensive range of wear-resistant spare parts including impellers, liners, and bearing assemblies.



Heavy-duty rubber-lined configuration designed for corrosive and abrasive slurry handling.

Wet End Materials

High-Chrome Alloy (A05, A07, A33, A49), Natural Rubber (R08, R26, R33, R55), Stainless Steel, Duplex Stainless Steel, Nickel Alloy, Alloy 20

Casing Construction

Gray Iron or Ductile Iron with reinforcing ribs for high pressure

Performance Data

TH(R) Series Performance Range

| Model | Max Power (KW) | Capacity (m3/h) | Head (m) | Max Efficiency (%) |
|------------|----------------|-----------------|----------|--------------------|
| 4/3C-TH | 30 | 86-198 | 9-52 | 71 |
| 6/4E-TH | 120 | 162-360 | 12-56 | 65 |
| 8/6R-TH | 300 | 360-828 | 10-61 | 72 |
| 10/8ST-TH | 560 | 612-1368 | 11-61 | 71 |
| 12/10ST-TH | 560 | 936-1980 | 7-68 | 82 |

Applications

Target Industries

Gold Mining • Metallurgy • Coal Washing • Thermal Power Plants • River Dredging • Chemical Processing

Configuration Options



Visual representation of various drive arrangements including overhead belt drives and direct-coupled motors.

Drive & Mounting Options

- CV (Vertical)
- CRZ
- DC (Direct Connection)
- ZVZ (Belt Driven)