

Corrosion and Abrasion Resistant Slurry Pump

This cantilever-type horizontal single-stage-single-suction centrifugal pump features steel-lined polyethylene with ultra-high molecular weight (UHMWPE) flow contact parts. The material provides good resistance to abrasion, shock, creep deformation, and corrosion.



General Overview

Corrosion and Abrasion Resistant Slurry Pump

The UHB-ZK series is a versatile, heavy-duty centrifugal pump engineered for extreme working conditions involving both corrosive and abrasive media. Designed for longevity and reliability, this pump handles everything from sulfuric and hydrochloric acids to dense metallurgical mine slurries. Its advanced material construction ensures high performance across diverse industrial applications, including wastewater treatment and chemical processing.

Performance Metrics

Performance Capacity

600 m³/h

Maximum Flow

50 m

Maximum Lift

Technical Specifications

Working Temperature	-20 to 80 °C (up to 105 °C with special materials)
Inlet Diameter Range	32mm - 250mm
Seal Type	K-type dynamic seal

Construction

Materials of Construction

- Steel body
- Ultra-high molecular weight polyethylene lining (820mm thick)

Impeller Types	Open-type, Closed-type
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Applications

Compatible Media

- Sulfuric acid (<80% concentration)
- Nitric acid (<50% concentration)
- Hydrochloric acid (various concentrations)
- Liquid alkali
- Metallurgical mine slurries
- Industrial wastewater