

SiC Ceramic Centrifugal Pump

The SiC ceramic centrifugal pump is characterized by its high hardness, wear resistance, and corrosion resistance. It is suitable for transferring strong corrosive and abrasive fluids, such as mud, desulfurization slurry and effluent, and coal slurry.



ADDITIONAL IMAGES



Overview

High-Performance SiC Ceramic Centrifugal Pump

The CKT series centrifugal pump is engineered for the most demanding industrial environments, utilizing advanced Silicon Carbide (SiC) ceramic materials for the wet end components. This design delivers exceptional hardness, wear resistance, and chemical inertness, making it ideal for transferring highly corrosive and abrasive fluids such as slurries, desulfurization effluent, and coal mixtures. Built for reliability, this pump offers a significantly extended service life and low maintenance requirements, ensuring operational efficiency in sectors like power generation, chemical processing, and metallurgy.

Technical Specifications

Working Temperature

-40 °C
Min Temp

110 °C
Max Temp

Mohs Hardness

9.25 Mohs

Adoptable pH Value

0-14

Key Features

Performance Advantages

- Large flow range with wide high-efficiency area
- Superior energy efficiency
- Low operating speed for reduced vibration
- Excellent cavitation performance
- Super wear and corrosion resistance

Maintenance & Service

- Impeller release collar (no special tools required)
- Back pull-out design for easy access
- Impeller observation hole in pump casing
- On-site quick repair capabilities for SiC parts

Service Life Guarantee

6-8 years for wet end parts

Applications

Suitable Applications

FGD (Flue Gas Desulfurization), Acid Gas Treatment, Power Industry, Chemical Industry, Metallurgy, Mining, Wastewater Treatment

Compatible Fluids

Mud, Desulfurization Slurry, Effluent, Coal Slurry, Silica Sand Water Mixture, Highly Corrosive Fluids, Abrasive Fluids