

Drilling Fluid Desander

The desander is a solid control equipment used in drilling operations to separate sand and other solids from drilling fluid. It utilizes centrifugal force to separate these solids, which are then discharged, while the cleaned drilling fluid is returned to the mud system.



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ADDITIONAL IMAGES



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Overview

High-Efficiency Drilling Fluid Desander

This drilling fluid desander is a critical component of modern solid control systems, engineered to optimize drilling operations by efficiently removing sand and abrasive solids. Utilizing advanced centrifugal separation technology, it protects downstream equipment and maintains fluid quality. The unit features a robust structural design optimized through finite element analysis and is built with high-wear-resistant materials for extended service life.

Technical Specifications

Surface Treatment Process

- Pickling
- Passivation
- Hot-dip galvanizing

Cyclone Material	High wear-resistant pure polyurethane
Electrical Component Brands	Siemens, Schneider, ABB

Operational Features

Design Methodology	ANSYS finite element analysis
Maintenance Compatibility	Yes

Applications

Application Areas

Oil Drilling • Non-excavation • Pipe Jacking