

MUD CLEANER



Xi'an, China

energy  Q1
Registered
Manufacturer

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A **mud cleaner** is a combination of a desander, a desilter, and a shale shaker.

A **drilling mud cleaner** is also called a desander and desilter assembly, as it combines a desander, a desilter, and a shale shaker.



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DRILLING MUD CLEANER



- **In addition** to its rational design, this mud cleaner also incorporates the functionality of a standalone shale shaker. It features a compact structure, occupies a small footprint, and delivers powerful performance.
- **Mud Cleaner** is the second class and the third class solids control equipment which is the newest type to treat the drilling fluid. At the same time drilling Mud cleaner has the higher cleaning function compared with separated desander and desilter.

ADVANTAGES OF TR MUD CLEANER

- **Environmentally Efficient**

The TR mud cleaner enables efficient removal of sand and silt particles larger than 20 microns, with some as small as 15 microns. The removal and drying of generated solids help meet environmental regulations by minimizing waste production and reducing disposal costs.

- **High Performance**

The system offers a processing capacity of 1,000 GPM (gallons per minute) with the 2-12" desander and 900 GPM with the desilter, concentrating solids onto a classification shaker.

- **Versatile**

The mud cleaner can be operated with the 2-12" desander, desilter or both to process weighted or unweighted fluid systems.

- **Extends Equipment Life**

By effectively removing abrasive particles, the mud cleaner helps minimize maintenance, repairs, and replacement of downstream equipment.

- **Reduces Operating Cost**

The mud cleaner reduces sand and silt-size particles and saves liquid, thus reducing mud cost, chances of stuck pipe and lost circulation and improving rate of penetration.

- **Reduces Disposal Cost**

The mud cleaner significantly reduces waste volume, leading to lower disposal costs.



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DRILLING MUD CLEANER TECHNICAL PARAMETERS

Model	TRQJ200*1S-100*4N	TRQJ200*2S-100*8N	TRQJ250*2S-100*12N	TRQJ250*3S-100*20N
Treatment Capacity	60m³	120m³	240m³	320m³
Desander Cyclone Specs	8in		10in	
Desander Cyclone Qty	1nos	2nos	2nos	3nos
Desilter Cyclone Specs	4in			
Desilter Cyclone Qty	5nos	8nos	12nos	20nos
Working Pressure	0.25~0.4mpa			
Inlet Size	DN125mm	DN150mm	DN150mm	DN200mm
Outlet Size	DN150mm	DN200mm	DN200mm	DN250mm
Separation Point	15μm~44μm			
Bottom Shaker	TRZS60/N/A	TRZS752/N/A	TRZS752/N/A	TRZS703/N/A
Dimension	1510×1160X2000mm	1835×1230×1810mm	1835×1230×1810mm	2419×2150×2147mm
Weight	600kg	980kg	1250kg	2350 kg



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MUD CLEANER FOR DRILLING FLUIDS SOLIDS CONTROL



Drilling mud cleaners(also called desander and desilter assemblies) are units that combine a desander, a desilter, and a vibrating screen(shale shaker component). Specifically, they utilize a two-stage separation process involving hydrocyclones mounted over a shale shaker, operating as a single unit.

Designed to handle the entire circulating volume, drilling mud cleaners are effective in both weighted and unweighted drilling-fluid systems for removing and drying drilled solids while retaining the valuable liquid phase.

The hydrocyclones (desanders and desilters) perform primary separation, with their underflow directed onto the shaker's vibrating screen. When used correctly, the drilling mud cleaner reduces both drilling-fluid and disposal costs.

In oilfield solids control, drilling mud cleaners are highly efficient components of oil/gas well drilling mud purification systems.

Mud cleaners are one of the important pieces of equipment for solid-liquid separation systems.



Xi'an Tianrui Petroleum Machinery Equipment Co., Ltd., established in 2010, is a modern manufacturer of solids control equipment certified to both API Q1 and ISO 9001 standards.

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