

DESANDER



»» Xi'an, China

energy  Q1
Registered
Manufacturer

THE MACHINE WORKS BY USING

Mud Desander also called Drilling Desander. It separating the solids in 47-76 μ m from the drilling fluid.

MUD DESANDER

It is composed of hydraulic desander, hydrocyclone, shale shaker and cyclone pipe.

A desander utilizes centrifugal force to separate solids from drilling fluid. A centrifugal pump supplies mud to the hydrocyclone, where it enters tangentially along the cyclone wall. The mud's structure breaks down under centrifugal force. Solid particles spiral downward along the inner wall due to gravity and are discharged from the cyclone's bottom onto a shale shaker, while liquid exits through the top.



ADVANTAGES OF THE DESANDER

Long life

- Desander cyclone uses high chromium cast iron or pure polyurethane material, customers can choose independently.
- We can exchange it with an international brand.

Small separation Point

- The cyclone has long lifetime and light weight, and easy to maintain.
- High separation ability and wide separation range.
- It can remove solid particles from 45 μm to 1mm.

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Less blockage

- The hydrocyclone underflow features a pressure-stabilized "wet bottom" design to rapidly discharge particles from the separation zone, reducing the risk of blockage

**VERTICAL CUTTING DRYER
SPECIALLY DESIGNED FOR
DRILLING CUTTINGS FROM
OIL BASED MUD (OBM)
AND SYNTHETIC-BASED MUD.**



Desander

DESANDER FOR DRILLING FLUIDS SOLIDS CONTRAL

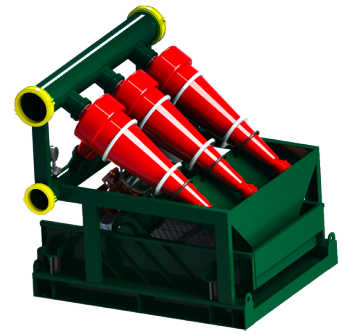


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Desander is the third phase solids control quipment in the drilling fluids recycling system, separating the solids in 47-76 μ m from the drilling fluid.

In the drilling solids control system used in the front of desilter and behind of shale shaker.



DESANDER

Desanders are used to remove solids in pile foundation engineering and slurry balance shield (TBM) projects.

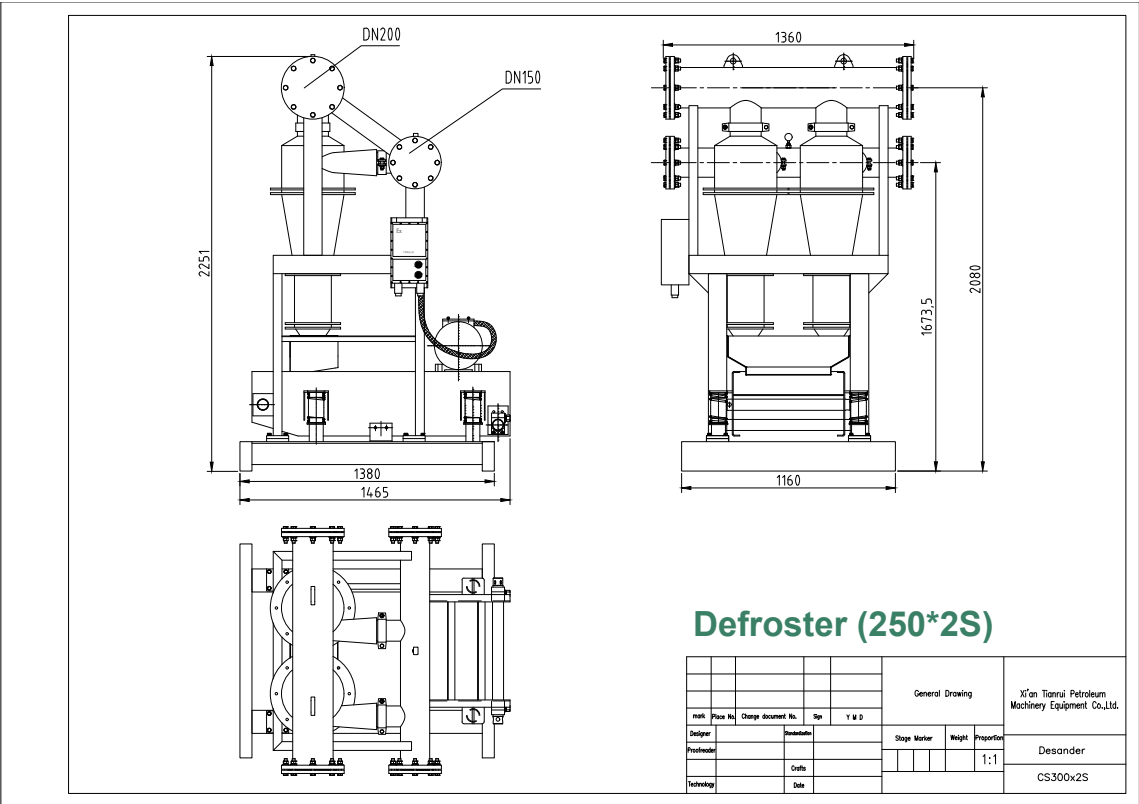
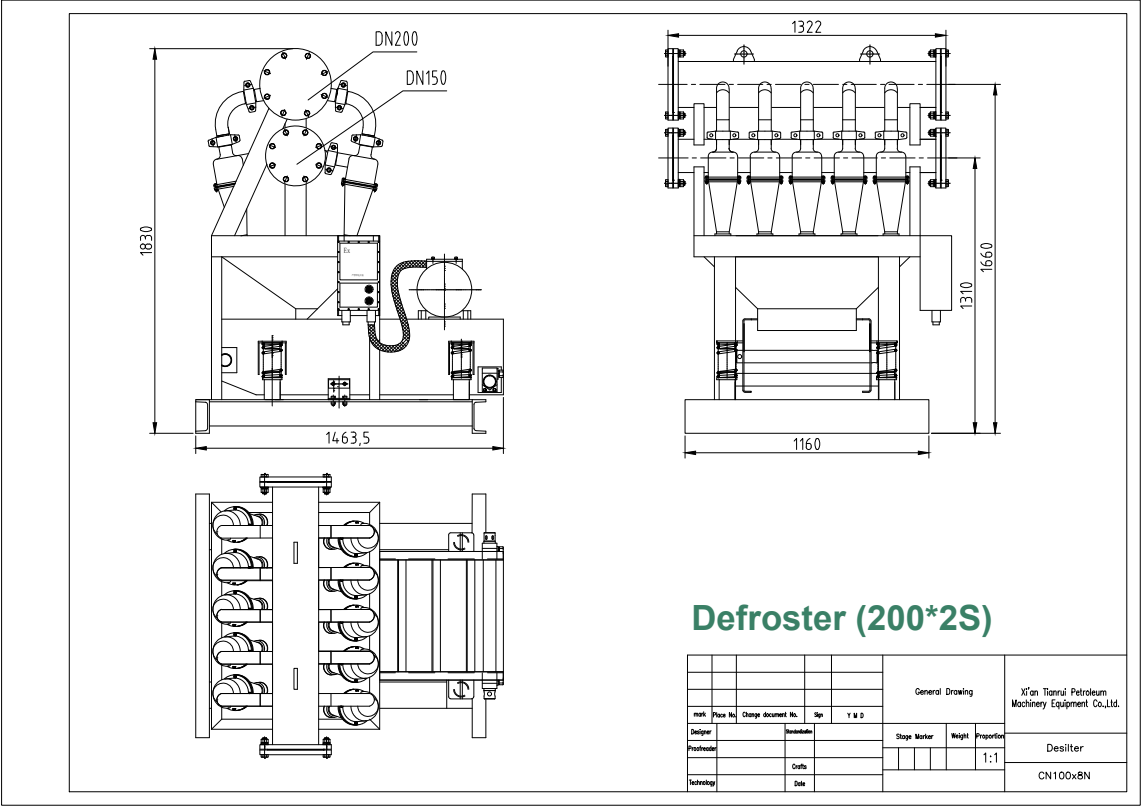
TR Solids Control manufactures desanders that can replace those produced by Derrick and Swaco.



Desander



DEFROSTER SIZES DRAWING



MUD DESANDER SPECIFICATIONS

Mud Desander Technical Parameters

Model	TRCS200-1S/2S	TRCS250-2S	TRCS300-1S/2S
Capacity	60 / 120m³/h	120 / 240m³/h	140 / 280m³/h
Cyclone Specs	8in (DN200)	10in (DN250)	12in (DN300)
Cyclone Qty	1nos / 2nos	1nos / 2nos	1nos / 2nos
Working Pressure	0.25-0.4mPa	0.25-0.4mPa	0.25-0.4mPa
Inlet Size	DN125mm	DN150mm	DN150mm
Outlet Size	DN150mm	DN200mm	DN200mm
Separation	45um-75um	45um-75um	45um-75um
Bottom shaker	TRTS60	TRTS60	TRZS752
Dimension	1510X1160X2000	1510X1360X2250	1835X1230X1810
Weight	570kg / 620kg	670kg / 760kg	1380kg





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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