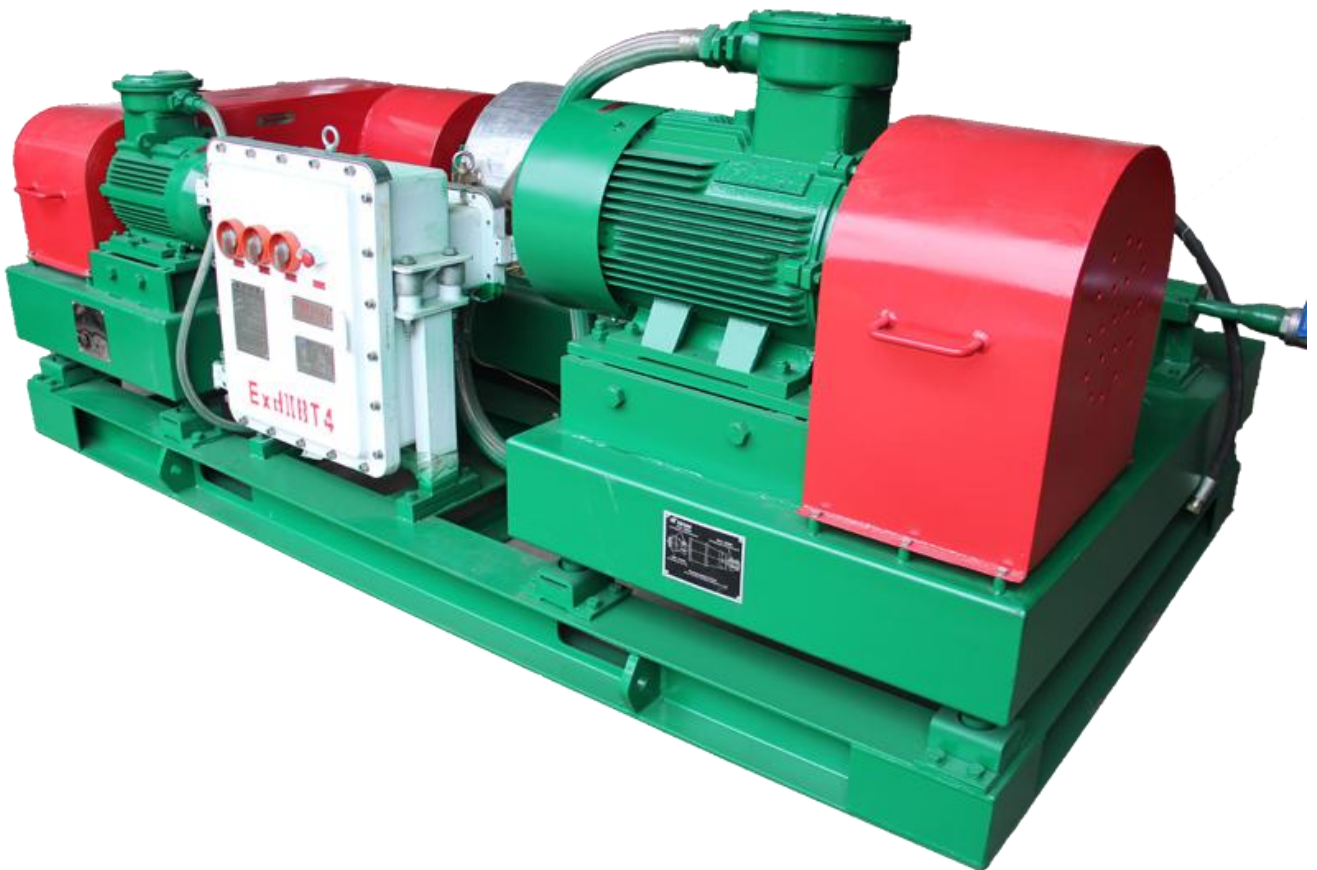


 Solids Control

Decanting Centrifuge



Xi'an TianRui Petroleum Machinery Equipment CO., LTD
API certified manufacturers

High Speed Decanter Centrifuge

Drilling Mud decanter centrifuge adopts centrifugal force to separate solid particles out of drilling fluid. Different solid or particle have different density and flow speed, drilling mud decanter centrifuge also can separate particles as different size and density. Drilling mud decanter centrifuge is widely used in oil and gas drilling, chemical, foodstuff, pharmacy, mineral beneficiation, water treatment, etc. industries.

The feed enters the bowl through a stationary inlet tube and is accelerated smoothly by an inlet rotor. The resulting drilling mud **decanter centrifuge** forces make the solids collect on the wall of the **bowl**. The **conveyor** and the bowl rotate in the same direction, but at different speeds, which has the effect of moving the solids towards the conical end of the bowl for removal.



Cemented carbide ring for protecting solids discharge outlet

Spiral propeller is the welding cemented carbide for the protection of propeller



Ex Standard:
ExdIIBt4 / IEC EX/ ATEX

Electrical control cabinet
current protection



Drum made of duplex stainless steel 2205





- Big bowl, large treatment capacity, high G-force is available.
- Stainless steel (2205) is adopted for main body (collection box included).
- Spiral propeller is stainless steel material, the welding cemented carbide or ceramic empiement for the protection of propeller.
- Replaced cemented carbide ring or ceramic for protecting solids discharge outlet.
- Bearing :Germany FAG or Sweden SKF.
- Electrical Component: Siemens, Schneider.
- Three types overload protection:
 - 1). Transmission Safety Protection Device.
 - 2). Fluid coupling overload protection
 - 3). Electrical control cabinet current protection.
- Screw pump or centrifugal pump can be the feed pump for centrifuge so as to meet different requirement.

Fixed Speed Decanting Centrifuge Technical Parameters

Model	TRGLW355N-1	TRGLW450N-2	TRGLW450N-3	TRGLW550N-1
Bowl Diameter	355mm (inch)	450mm (17.7inch)	450mm (17.7inch)	550mm (inch)
Bowl Length	1250mm(49.2inch)	1250mm(49.2inch)	1600(64inch)	1800mm(71inch)
Max Capacity	40m ³ /h	60m ³ /h	70m ³ /h	90m ³ /h
Max Speed	3800r/min	3200r/min	3200r/min	3000r/min
Rotary Speed	3200r/min	3000r/min	2800r/min	2600r/min
G-Force	3018	2578	2578	2711
Separation	2~5um	2~5um	2~5um	2~5um
Main Drive	30kW-4p	30kW-4p	45kW-4p	55kW-4p
Back Drive	7.5kW-4p	7.5kW-4p	15kW-4p	22kW-4p
Weight	2950kg	3200kg	4500kg	5800kg
Dimension	2550X1860X1250	2600X1860X1250	2950X1860X1250	3250X1960X1350

(Note: Rotary speed can be adjustable as per user's requirements)

Variable Speed Decanting Centrifuge Technical Parameters

Model	TRGLW355N-1V	TRGLW450N-2V	TRGLW450N-3V	TRGLW550N-1V
Bowl Diameter	355mm (inch)	450mm (17.7inch)	450mm (17.7inch)	550mm (inch)
Bowl Length	1250mm(49.2inch)	1250mm(49.2inch)	1600(64inch)	1800mm(71inch)
Max Capacity	40m ³ /h	60m ³ /h	70m ³ /h	90m ³ /h
Max Speed	3800r/min	3200r/min	3200r/min	3000r/min
Rotary Speed	0~3200r/min	0~3000r/min	0~2800r/min	0~2600r/min
G-Force	3018	2578	2578	2711
Separation	2~5um	2~5um	2~5um	2~5um
Main Drive	30kW-4p	30kW-4p	45kW-4p	55kW-4p
Back Drive	7.5kW-4p	7.5kW-4p	15kW-4p	22kW-4p
Weight	2950kg	3200kg	4500kg	5800kg
Dimension	2550X1860X1250	2600X1860X1250	2950X1860X1250	3250X1960X1350

Medium Speed Decanter Centrifuge

The different speed is between middle type centrifuge and high type centrifuge. The high speed centrifuge could separate the smaller solids than middle type centrifuge.

Also high speed centrifuge have more machining precision than the middle Type centrifuge.

Variable Speed Decanting Centrifuge Technical Parameters

Model	TRLW450N-1	TRGLWF450N-2	TRLWF550N-1	TRLWF600N-1
Bowl Diameter	450mm (17.7inch)	450mm (17.7inch)	550mm (21.7inch)	600mm (23.6inch)
Bowl Length	1000mm(39.3inch)	1250(49.2inch)	1800mm(70.9inch)	1500mm(59inch)
Max Capacity	50m ³ /h	60m ³ /h	90m ³ /h	90m ³ /h
Max Speed	2200r/min	2200r/min	2200r/min	2200r/min
G-Force	1215	1215	1484	1619
Separation	5~7um	5~7um	5~7um	5~7um
Main Drive	30kW-4p	30kW-4p	55kW-4p	55kW-4p
Back Drive	N/A		18.5kW-4p	15kW-4p
Weight	2600kg	3000kg	5600kg	5520kg
Dimension	2450X1680X1750	2600X1680X1750	3550X1800X1750	2900X1900X1750

Processing strength



Shipping photos



Use Results



If you need to know more details about the Decanter Centrifuge, then you contact us.

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