

Oilfield LXJ Decanter centrifuge

Decanter centrifuge are used to process unweighted and weighted, water-based and oil-based drilling fluids (muds). Mechanical energy is utilized to increase the gravitational force exerted on solids that are present in the mud system. Oilfield Decanting Centrifuge are able to apply over 3,000 G-forces on the liquid/solids mixture, which separates the heavier solids from the lighter solids. Additionally, high G-forces separate fine solids from liquid.



Decanter Centrifuge Technique parameters

Model	LXJ450x842N	LXJ450x1000N	LXJ700x1200N	LXJ600x1000
Bowl diameter	450mm	450mm	700mm	600mm
Speed	1800RPM	1800RPM	1800RPM	1800RPM
Separation factor	815G	815G	1268G	860G
Separation size	5~7 μ m	5~7 μ m	5~7 μ m	5~7 μ m
Main drive motor	22KW-4p 30hp	30KW-4p 40hp	55KW-4p 75hp	45KW-4p 60hp
Back drive motor	5.5 KW-4p 8hp	7.5 KW-4p 10hp	15KW-4p 20hp	7.5 KW-4p 10hp
Treating capacity	≤40m ³ /h	≤60m ³ /h	≤90 m ³ /h	≤60m ³ /h
Weight	2550kg	2700kg	4300kg	4580kg
Dimension (mm)	2360x1850x1750	2600x1850x1750	3250x1800x2180	2700x1880x1800
Model	LXJ600x1500N		GLXJ355x1250N	GLXJ450x1258N
Bowl diameter	600mm		355mm	450mm
Speed	2600RPM		3200RPM	2800RPM
Separation factor	2268G		2035G	2191G
Separation size	2~5 μ m		2~5 μ m	2~5 μ m
Main drive motor	55KW-4p 75hp		30KW-4p 40hp	37KW-4p 50hp
Back drive motor	15KW-4p 20hp		7.5 KW-4p 10hp	11KW-4p 15hp
Treating capacity	≤90m ³ /h		≤40m ³ /h	≤60m ³ /h
Weight	4000kg		2950kg	3000kg
Dimension (mm)	3200x1700x1800		2900x1850x1750	2950x1620x850

Mechanical separation of solids from the mud system through the use of a decanter centrifuge is a highly-effective means of maintaining proper mud weight and viscosity. When used in conjunction with other Solids control equipment, decanting centrifuge enable users to maintain the mud properties within the prescribed range as per the drilling program. Typically, oilfield decanting centrifuge is the final processing units in the arrangement of solids control equipment. Decanting centrifuge preceded by gas busters, gumbo removal equipment (if utilized), shale shakers, mud Cleaners (if utilized), Vacuum degassers and hydrdocyclones.

LXJ is typical drilling mud process equipment. It is 4th phase solids control equipment. Usually it's set behind AJC mud cleaner or desilter. Mainly separate 2~7 microns particles. The complet conveyor and bowl will be made of S.S to provide high resistance for drilling mud. Furthermore, according to clients' requirement the drilling mud centrifuge can be designed as VFD type. Permits easy adjustment of bowl, conveyor, and feed pump speeds for varying process conditions and provides torque overload protection.

Contact OGEM Equipment



Professional for mud process

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