

CSQ Hydrocyclone Desander

Hydrocyclones is also called cyclone separator. Hydrocyclones consist of desander (10 in. cone) and desilter (4 in. cone) are drilling rig equipments with a set of hydrocyclones that separates sand and silt from the drilling fluid. Desander is installed after shakers and degasser but before desilter. Desander removes those abrasive solids from the drilling mud which cannot be removed by shakers.



Desander, as stated earlier, have no moving parts. The larger the internal diameter (ID) of the desander is, the greater the amount of fluid it is able to process and the larger the size of the solids removed. Desander (10 in. cone) are able to remove roughly 50 percent of those solids within the 40-50 micron range at a flow rate of 500 gallons per min (gal/min), while desilter (4 in. Cone) are able to remove approximately 50 percent of those solids within the 15-20 micron range at a flow rate of 60 gal/min. Micro fine separators are able to remove around 50 percent of those solids within the 10-15 micron range at a flow rate of 15 gal/min.

Desander is typically positioned next-to-last in the arrangement of solids control equipment, with decanting centrifuge as the subsequent processing unit. Desander are preceded by gas busters, gumbo removal equipment (if utilized), shale shakers, mud cleaner (if utilized) and vacuum degasser. Desander is widely used in oilfield drilling.

CSQ Desander separator is 2nd phase mud process equipment in solids control system. The cones size and number can be adjusted according to client's actual capacity requirements. Cones also can be cast iron or other materials. The bottom shaker can be configured or not. We also can design desander with large bottom shale shaker, such as AJS703L, AJS603L etc.



Technique parameters

Model	CSQ200	CSQ250	CSQ300
Treating capacity	≤120m ³ / h ≤528GP M	≤180m ³ /h ≤792GPM	≤240m ³ / h ≤1056G PM
Desander cones	8"	10"	12"
Cones quantity	1~3EA	1~3EA	1~3EA
Working pressure	0.15~0.35Mpa		
Feed inlet	125mm	150mm	150mm
Discharge output	150mm	200mm	200mm
Separation size	47~76 μ m		
Bottom shaker screen	1.0m ² (600×1600mm) Optional		



Contact OGEM Equipment



Professional for mud process

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