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SHALE SHAKER

FC313, GX-I and GX-II series model Shale Shaker

FC313, GX-I and GX-II series model Shale Shaker is machined under **DERRICK** Design with major components are from Derrick OEM plants. The motor is 2.5 KW explosion-proof motor.



Model	FC313	GX-1	GX-II
Amplitude of Vibration (P-P value)	5	5	5
Excited Rotation Velocity (RPM)	1,450	1,420	1,420
Type of Vibration	Linear	Linear	Linear
Area of Screen (mm ²)	SC36-30	4-1053*697	3-1053*697
Max. Handling Capacity (GPM)	695.4	768.6	732

S230-3 special track shale shaker

S230-3 special track shale shaker with two designs of S230-3 and S230-3 2 provides first grade solid control under different drilling conditions. The relative position between the vibrator rotation center and the shaker basket centroid leads to a special vibration track that ensures good screening efficiency, quick disposal and prolonged screen life.



- Mesh: 20~80
- Area: 2 x 1.15 m²
- Screen Angle: 0~5 degree
- Amplitude >2 mm
- Rotating Speed of exciting vibrator: 1252 rpm
- Projective Index: 5-7 g
- Horse Power: 2 x 5.5 HP
- Handling capacity: 1000 GPM
- Overall Dimension: 4200*2657*1340 mm
- Weight: 3323 kg

S250-2 Balanced Elliptical Motion Shale Shaker

S250-2 Balanced Elliptical Motion Shale Shaker is designed for various mud conditions with **MARTIN** Vibrator. Its shaking track is balanced elliptical, which is the most advanced in the world with features of quick disposal, high capacity, good screening efficiency with prolonged screen life, and easy to install and maintain. with two designs of S250-2 and S-250-2x2.



- Mesh: 60~180
- Area: 2.52 m²
- Screen Angle: -4~4 degree
- Amplitude (P-P value): 2-4 mm
- Rotating Speed of exciting vibration: 1500 rpm
- Projective Index: 6-7 g
- Horse Power: 2 x 2.5 HP
- Handling Capacity: 1000 GPM
- Overall Dimension: 2700*1756*1350 mm
- Weight: 1780 kg

S310-1 Linear motion Shale Shaker

S 310-1 Linear motion Shale Shaker is designed to cope with various mud conditions with features of big screen area, big handling capacity, and easy maintenance. The Screen Vibrator is from Martin of USA



- Mesh: 60~180
- Screen Area: 3.08 m²
- Screen-Angle: -3~3 degree
- Amplitude (P-P value): 2-4
- Rotating speed of exciting vibration: 1500 rpm
- Projective Index: 4-6 g
- Power: 2 x 2.5 HP
- Handling capacity: 980 GPM
- Overall Dimensions: 2978*1756*1395 mm
- Weight: 2120 kg

XQJS300 X1F & XQJS300 X 2F Desander

The hydrodynamic cyclone of the desander is made of wear resistant cast iron. The content of sand after the desander is controlled below 0.15%.



Desander		XQJS300 X 1F	XQJS300 X 2F
Handling Capacity	GPM	330~462	647~858
Working pressure	psi	28.5~50	28.5~50
Size of Inlet pipe	mm	125	150
Size of Outlet pipe	mm	150	200
Max.ID of cyclone	mm	300	300
Cone angle of cyclone	degree	18	18
Bottom outlet	mm	18,22,26,30	18,22,26,30
D50 Separate Point		20~50	20~50
Number of cyclone	pcs	1	2
Exciting means		Eccentric axis	Eccentric axis
Rotating speed of exciting vibrating	rpm	1420~1664	1420~1664
Exciting force	KN	3.01~4.06	3.01~4.06
Area of Screen	m ²	1.0 x 0.6	1.0 x 0.6
Electrical Motor	HP	2.0 *1440 rpm	2.0 * 1400 rpm
Overall Dimension	mm	1150*1000*1925	1700*1200*2027
Weight	kg	460	787

XQJS Desilter

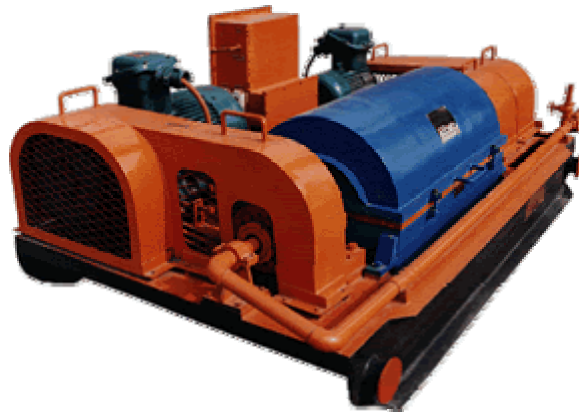
XQJS Desilter plays an important role in the drilling liquid solid control system. It improves the drilling liquid property through removing solid particles ranging from 15 to 44 microns, which consists more than 60% of the total solid content. XQJS Desilter controls the solid contents in fluids below 0.12%.



Handling Capacity	GPM	330~740	Bottom outlet	mm	10
Working pressure	psi	28.5~50	Exciting mean		Eccentric axis
Inlet pipe	mm	150	Exciting speed	rpm	1420
Outlet pipe	mm	150	Exciting force	KN	7.0
ID of Cyclone	mm	100	Area of Screen	m2	1.4 x 0.42
Cone angle of cyclone	degree	19	Electrical motor	HP	3 HP *1420 rpm
Bottom outlet	GPM	330~740	Overall Dimension	mm	1615*910*1715
D50 Seperating Point	psi	28.5~50	Weight	Kg	636

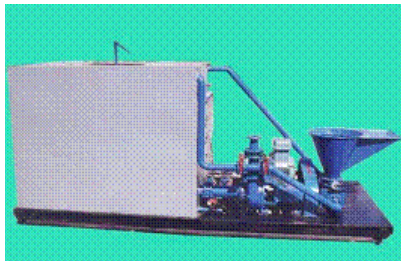
JL40-DZ Series Centrifuge

JL40-DZ Series Centrifuge products are designed as per Pioneer Spec with features of compact construction and perfect performance in removing solids from drilling and completion fluids.



Centrifuge		JL40-DZ18X48	JL40-DZ18X38	JL40-DZ18X28
Bowl size	mm	450 x 1200	450 x 965	450 x 711
Bowl rotating	rpm	2000	2000	2000
Max. Handling Capacity	GPM	220	165	147
Differential Speed Ratio between Bowl and Conveyor		80:1	80:1	80:1
Separating factor		1472	1472	1472
Separating Density		3~5	5~7	7~9
Main Motor	HP	61	50	41
Feeding Motor	HP	10	10	10
Explosion proof grade		BT4	BT4	BT4
Overall Dimensions	mm	3400*1300*770	3146*1170*770	2892*1170*770
Weight	kg	2800	2600	2400

Shearing and Mixing system



Pump		Charging Pump	Desander & Desilter Pump	Polymer Shearing Pump	Mixing Hopper pump
Handling Capacity	GPM	732	805-988	933	805
Pump lift	m	25	35	33	2.5
Pump Speed	rpm	1450	1470	1840	-
Motor	HP	62	75-105	105	62
Efficiency	%	60	62	62	
Pump outlet	mm	150	150	150	150
pump Inlet	mm	200	200	200	150
Mixing rate	T/H	-	-	-	20 less

ZJC series Agitator

ZJC series Agitator is designed by using Germany made reducer with high transmission efficiency, compact construction, and reliable quality.



Agitator		ZJC5.5	ZJC7.5	ZJC11	ZJC15
Input Horse Power	HP	7.5	10	15	Input Horse Power
Max. output Torque	lb.ft	539	747	1116	Max. output Torque
Output Rotating Speed	rpm	60	60	60	Output Rotating Speed
Size of impeller	inch	28~47	28~47	28~47	Size of impeller
Overall Dimension	mm	1035*500*612	1035*500*612	1240*600*683	Overall Dimension
Weight	kg	618	651	847	Weight

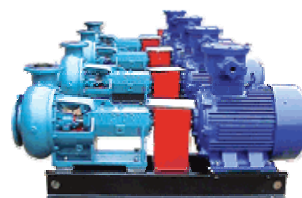
CENTRIFUGAL PUMP

Centrifugal Pump

The PWA 2500 Series pump has been designed and developed as the “heart” and “workhorse” of your low-pressure mud system. This robust 2 1/ 2” diameter shaft, end suction, close grained cast iron pump, has been developed from both a dimensional and parts points of view to be totally interchangeable with most existing 2 1/ 2” diameter shaft pumps (i.e. Mission, Harrisburg).

The PWA2500 series pump is designed to accommodate the 5” x 6” and 6” x 8 “liquid ends, with either 11” diameter or 14” diameter impellers, on one common power frame-thus minimizing your overall spare parts requirement.

Because of total interchangeabilities of spare pares with other manufacturer's pumps, our PWA stock of parts is readily available for any 2 1/ 2” diameters shaft pump at any of your locations.



Pump	Flow rate (GPM)	Head (meter)	Speed (RPM)	Efficiency (%)	NPSHR (meter)	Power (Shaft)	Pump
PWA 6 X 5-11	733	21	1450	62	2.5	25	PWA 6 X 5-11
PWA 6 X 5-9	586	12	1450	58	3.0	12	PWA 6 X 5-9
PWA 8 X 6 -14	1172	40	1450	65	4.0	73	PWA 8 X 6 -14
PWA 8 X 6-12	989	28	1450	64	4.5	44	PWA 8 X 6-12
PWA 8 X 6-13	1062	33	1450	64	4.5	45	PWA 8 X 6-13

DEGASSER AND MUD TANK

Degasser



Vacuum Degasser



Poor Boy Degasser

Mud Circulating Pit:



80 CBM Volume per each