

FLUID SYSTEMS

"Your Choice In Solids Control"

Company Profile



Fluid Systems, Inc. (FSI) began operations in early 1979 doing developmental and engineering work on solids control equipment and mud handling systems used on drilling rigs. The company has been involved in furthering solids control technology for the oil industry since its inception. The first type of equipment introduced was a line of mud cleaners (hydrocyclones mounted over shaker screens) which incorporated the use of linear motion in their design. In the early 1980's, FSI was one of the first companies to introduce Linear Motion Shakers, which have become the principal type of shakers in use on drilling rigs today and was tagged by rig supervisors as a "rough neck friendly" equipment. We developed a line of screen panels made from the highest quality screen designed using our proprietary mesh software for high liquid throughput, the maximum open area and optimum screen life using our state-of-the-art facility. Our computerized accelerometer testing allows our engineers to verify panel support and rigidity. We have earned a reputation for quality, service, dependability and equipment reliability around the world.



Fluid Systems, Inc. is now a worldwide provider of solids control screening, waste management and process technology to the Oil & Gas, Industrial, Environmental and Mining Industries. We can customize your needs on zero discharge systems, dredging systems, solids/liquid separation, micro tunneling, waste water processing, fine solids and sizing separation, dewatering and HDD Systems. Our equipment innovations include side-mounted high-'G' vibrators, WedgeLok™ fasteners and pre-tensioned screen panels – all of which are being incorporated by competitors today. Single Panel, Dual Panel, Triple Panel, Four Panel, and Five Panel Units are all available for varying process applications. Cascading Systems (Shaker-Over-Shaker) are available for special applications where the footprint for installation is restricted. FSI's engineering department is always looking forward to the next challenge, the next project, the next opportunity and the next frontier.





Our Vision

To achieve excellence in our endeavors and make a difference in the industry through our contributions.

Our Mission

To provide our customers the highest standards of quality and services, through teamwork and personal dedication, above and beyond their expectations.

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Shakers, Dryers, &
Mud Cleaners



Series 5111 BLE

Model : E5111BLE

- High "G" Force
- Simple design
- 35 ft² [3.25m²]
- Screening area
- Rugged and reliable
- Low maintenance
- Small footprint
- Quick screen changes
- Low noise

Introducing the 5111 BLE Shaker, Fluid Systems latest advancement in high "G" force, high volume balanced / linear elliptical motion shaker. Fluid Systems has designed this unit to achieve optimum performance. Even in the most challenging applications, the 5111 BLE Shaker achieves consistently high throughput. Processing rates vary with slurry content, percent solids and viscosity.

Available Options :	Description
E5111BLE-18X	Series 5111 Model Balanced Linear Elliptical Motion Shaker
E5111BLE-18X-CD	Series 5111 Model BLE -18X Balanced Linear Elliptical Motion "Cuttings Dryer"
E5111BLE-18X-CD-LP	Series 5111 Model BLE -18X Balanced Linear Elliptical Motion "Cuttings Dryer" Low Profile
E5111BLE-18X-Cascade	Series 5111/5111 Model BLE-18X CASCADE
E5111BLE-18XSBS	Series 5111 Model BLE-18X Side By Side Dual Balanced Linear Elliptical Motion Shakers

Additional specifications on page 28



Fluid Systems Model 511 is our widely acclaimed balanced linear elliptical motion shale shaker. With its 5 to 8 "G" force, FSI has designed this unit to achieve optimum performance. Even in the most challenging applications, the Model 511 achieves consistently high throughput.

Available Options :	
E511BLE-18X	Series 511 Model BLE-18X Balanced Linear Elliptical Motion Shaker
E511BLE-18X-CD	Series 511 Model BLE-18X Balanced Linear Elliptical Motion "Cuttings Dryer"
E511BLE-18X-CD-LP	Series 511 Model BLE -18X Balanced Linear Elliptical Motion "Cuttings Dryer" Low Profile
E511BLE-18/5111BLE-18X Cascade	SERIES 511/5111 Model BLE-18X CASCADE
E511BLE-18XSBS	Series 511 Model BLE-18X Side By Side Dual Balanced Linear Elliptical Motion Shakers
E511B4X	Series 511 B4X-18 Linear Motion Shaker

Additional specifications on page 28

Series 511 BLE

Model : E511BLE

- High "G" Force
- Simple design
- 25 ft² [2.4m²] Screening area
- Rugged and reliable
- Low maintenance
- Small footprint
- Quick screen changes
- Low noise



HPeLIMINATOR Mud Cleaner

Model : E5111BLE-HV

- Finer particle separations at high capacities.
- High G-Force.
- Fewer cyclones needed for optimal performance.
- Low maintenance.
- Small footprint.
- Elimination of cone plugging.
- Quick screen changes.
- Low noise.
- Reduction of extra pumps & piping.

The E511BLE-HV Mud cleaner is a combination of hydrocyclones mounted above a shale shaker. The primary use of the mud cleaner has always been the removal of drilled solids larger than barite. Its secondary purpose is to remove drilled solids from unweighted drilling fluids. With many models from which to choose, FSI offers a mud cleaner to meet the requirements of most all.

Available Options :	Description
E5111BLE-18X-HV8-4	Series 5111 Model Balanced Linear Elliptical Motion Shaker with (4) 8" FSI High Volume Cones 400 gmp ea.
E5111BLE-18X-HV8-3	Series 5111 Model Balanced Linear Elliptical Motion Shaker with (3) 8" FSI High Volume Cones 400 gmp ea.
E5111BLE-18X-HV8-2	Series 5111 Model Balanced Linear Elliptical Motion Shaker with (3) 8" FSI High Volume Cones 400 gmp ea.
E11B4X-HV8-2	Series 511-B4X-18 2 High Volume 8" Cone Mud Cleaner (2) 8" FSI High Volume Cones 400 gmp ea.

Additional specifications on page 28



The 3 in 1 mud cleaner consists of a Balanced Linear motion Series 5111BLE with 34.0 sq ft of screening area, desander unit and desilter unit. Desander Unit – The Fluid Systems, Inc. DSR unit has been designed to remove all drill solids larger than 45 microns from the drilling mud. Each hydrocyclone will process mud at a rate of 500 GPM per cone regardless of mud weight. The DSR Unit is able to process this high volume regardless of mud weight, therefore, it is not necessary to reduce the volume handling capacity the unit as mud weight increases. The 10" desander cyclone is a low cost, lightweight, molded urethane providing excellent wear life with maximum economy and ease of handling. Desilter Unit – Each cone has 100GPM [378.5 lpm] @ 40 psi [2.8kg/cm²] capacities Up to 20 cones per header depending on the required capacity.

4 Panel Mud Cleaner

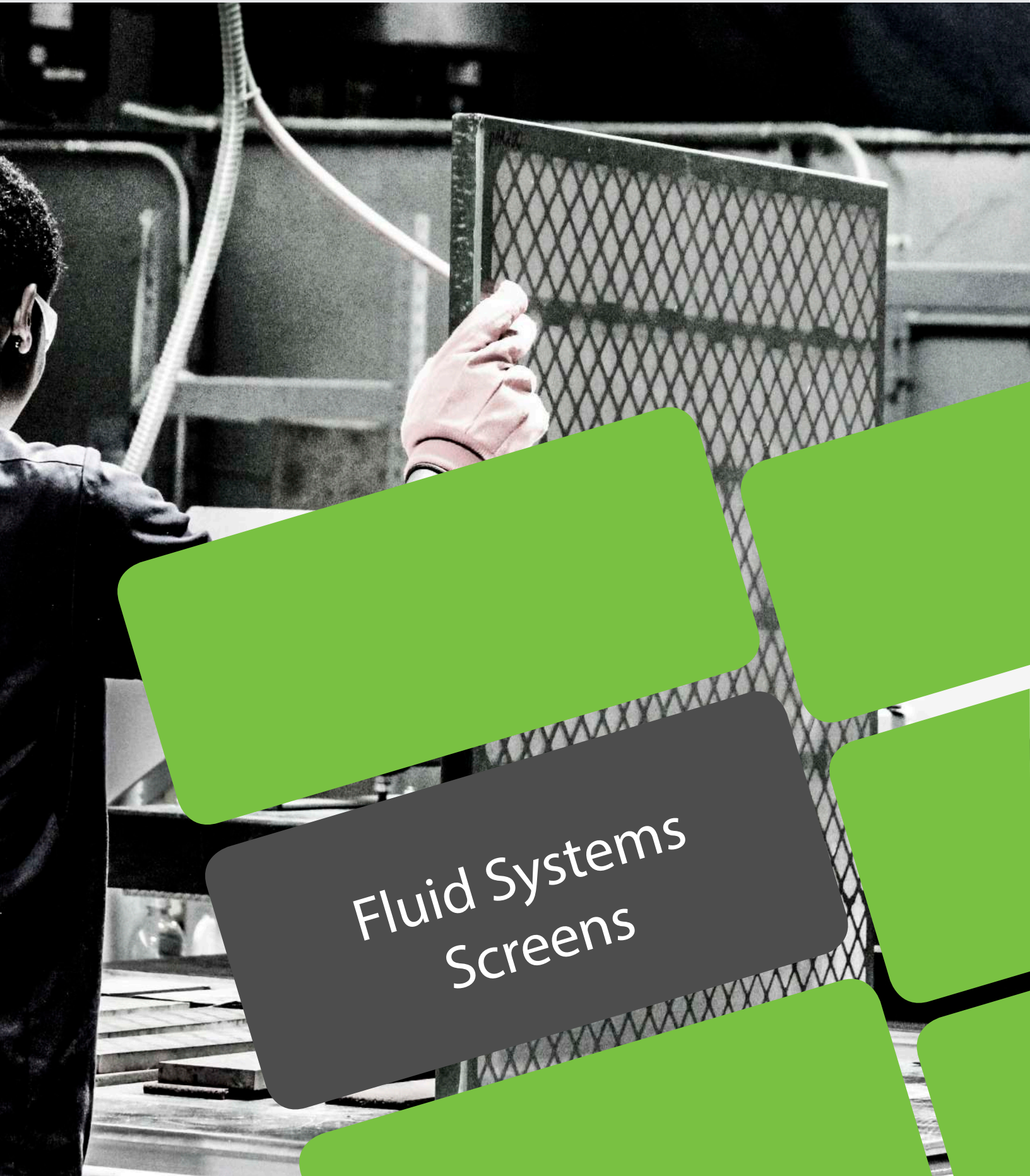
Model : E5111BLE-DHC

- High " G" Force
- 34 ft² [3.16 m²]
- Simple Design
- Rugged and Reliable
- Low noise
- Low maintenance
- Quick screen panel changes

Available Options :

E5111BLE-18X DHC10F2F	Series 5111 Model BLE-18X DHC10F2F Balanced Linear Elliptical Motion Mud Cleaner
E5111BLE-18X DHC16F3F	Series 5111 Model BLE-18X DHC16F3F Balanced Linear Elliptical Motion Mud Cleaner
EE5111BLE-18X DHC12F2F	Series 5111 Model BLE-18X DHC12F2F Balanced Linear Elliptical Motion Mud Cleaner
E5111BLE-18X DHC12F3F	Series 5111 Model BLE-18X DHC12F3F Balanced Linear Elliptical Motion Mud Cleaner
E5111BLE-18X DHC20F3F	Series 5111 Model BLE-18X DHC20F3F Balanced Linear Elliptical Motion Mud Cleaner
E511B4X-18 DHC10F2F	Series 511 Model BLE-18X DHC10F2F Mud Cleaner

Additional specifications on page 28



Fluid Systems
Screens

42" X 29"



FSI 42X29 FMR Series

Fits Series Fluid Systems
2L,20L,51,511,5111,6111

49" X 25"



NOV 49X25V FMR Series

Fits Series Brandt Cobra Family, Venom®

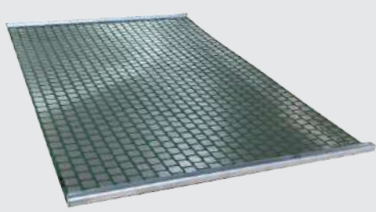
46" X 23"



SWA 46X23 FMR Series

Fits Swaco Series Meerkat™, Mongoose®
Shakers

48" X 30"



DER 48X30 FMR Series

Fits Derrick® 48X30 Series Shakers

48" X 30"

Other Available Screens

Screen Models

- Brandt NOV 285P®
- Brandt NOV Cobra, LCM-3D®
- Brandt NOV VSM 300 - Primary Deck®
- Brandt NOV VSM 300 - Scalping Deck®
- Derrick Flo-Line Cleaner®
- Kem-Tron KPT®
- Vortex Fluid Systems®
- Swaco Mongoose®

Special Order

- Brandt NOV LCM-2D
- Brandt NOV LM-3
- Brandt NOV VSM 100 - Primary Deck
- Brandt NOV VSM 100 - Scalping Deck
- Derrick 58 Flo-Line Cleaner®
- Harrisburg Mud Cleaner®
- Swaco BEM 3
- Triton, 285, Quadraflow

API	D100 (UM)	Mesh No.	O.A. (%)	Conductance
35	514	50	31.2	8.77
40	418	60	29.7	7.24
45	351	70	26.9	6.92
50	315	80	28.8	5.81
60	272	84	26.5	4.71
70	202	110	25.4	3.55
80	169	140	24.6	2.78
100	164	150	24.2	2.47
120	136	175	23.8	2.16
140	114	210	24	1.85
170	86	230	24.9	1.68
200	82	250	24.9	1.57
230	69	270	25.6	1.25
270	49	400	21.9	0.78
325	43	450	20.1	0.56

API RP 13C
(ISO 13501)
COMPLIANT
SCREENS



Additional
Offerings



FSI Centrifuges

Model : Force300

- - Higher G Force
- - Maximum Solids Recovery
- - Small Footprint
- - Variable Frequency Drive
- - High Performance
- - Wear Resistance
- - Low Energy Consumption

Fluid Systems offers a full line of high performance, variable speed decanting centrifuges that are specially designed for heavy-duty operations and top-quality solids control. Fluid Systems Centrifuges are also capable of handling large amounts of feed solids, achieve extraordinary separation performance, and features advanced wear protection against abrasive and coarse particles. These centrifuge can also be operated at high G's on non weighted mud, to remove low gravity solids.

Model	Height in (mm)	Length in (mm)	Width in (mm)	Bowl Size (mm)
Force 300	Centrifuge	51 in (1304 mm)	168 in (4273 mm)	14in (355.6mm)
Force 40	Centrifuge	61 in (1527 mm)	181 in (4572 mm)	19in (482.6mm)

Additional specifications on page 29



Our vacuum degasser operates on “ultra-thin” film principle. The drill mud enters the tank, forces it to flow and is then distributed to a layer of internal baffles made of fiberglass material engineered to allow the liquid inside the vacuum degasser to flow as thin film and exposed to the vacuum within the vessel. This layer of mud allows the gas to escape or break out of the mud.



The Fluid Systems Atmospheric Degasser removes retained gas from drilling muds. Atmospheric degassers process mud by accelerating fluid through a submerged pump impeller and impinging the fluid on stationary baffles to maximize surface area and thus enable gasses to escape to the atmosphere. As with all processing equipment the process rate is dependent upon solids content and fluid viscosity. Processing rates are therefore dependent on mud properties.

Vacuum Degasser

Model : VAC1200

- Small foot print
- Skid mounted
- Replace fiberglass baffles
- High temperature resistant internal coating
- Epoxy external coating
- Equipped with water trap back-flow protection
- Three-way valve
- Optional offshore package
- 7.5 HP belt driven compressor
- Low maintenance

Atmospheric Degasser

Model : EADG

- High temperature resistant internal coating
- Epoxy external coating
- Low maintenance



High Efficiency - High Capacity

The Fluid Systems Mud Gas Separator has been designed to capture and separate large volume of free gases within the drilling fluid. Designed for high pressure wells, this unit controls the circulated gas to the surface separating the gas from the mud and vent it.

Simplicity is the essence of every Fluid Systems design. This 41 x 121 Mud Gas Separator with 8" lines (top flow line, drain line, return line, and 2 high pressure lines) all connections to the separator are fitted with 8" flanges. High pressure lines fitted with 4" Balonvalves.

Mud Gas Separators

Model : 41" X 121"

- Standard Sizing
- 4' X12
- 4' X18
- Custom Options available

Desanders and Desilters



Model: EDSR2H-10

- Reduce mud loss with adjustable and interchangeable apex sizes
- Lower mud costs
- Versatile feed and discharge connections
- Increase penetration rate
- Control mud weight by removing sand-sized solids in un-weighted systems
- 3 & 4 Cones Available



Model: ESSR10HIL-4

- Fewer cones needed for optimum performance
- Versatile feed and discharge connections
- High volume cone engineered to minimize plugging
- Reduce mud loss with interchangeable apex size
- High performance
- Low maintenance
- Up to 20 Cones



Fluid Systems uses an impeller to mix and suspend the solids using both axial and radial flows, and by utilizing low shear mixers to suspend and mix mud additives particle size degradation and polymer shear. Unlike centrifugal pumps or mud guns. The FS Agitator is relatively low shear and low energy device, so it's easy to operate and inexpensive to maintain.

Mud Agitators

Model : EMA25HP

- Compact design
- Quiet, vibration free
- Single reduction worm gear drive
- Low maintenance
- Direct, flexi-couple drive system
- Explosion proof electrical system
- 50% better shock resistance than helical and bevel gears
- HP Available- 7.5, 10, 15, 20, or 25
- Vertical or Horizontal

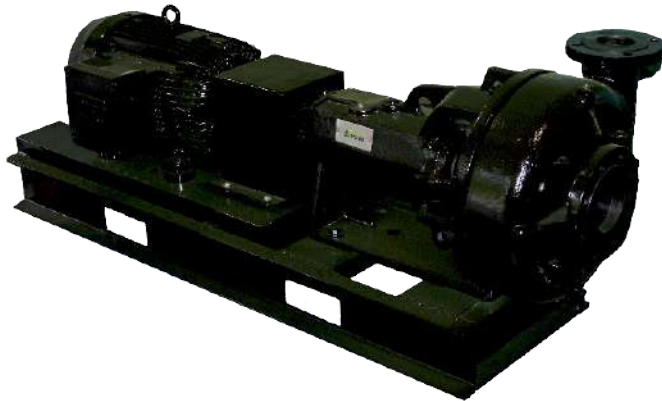


Fluid Systems 6 inch high shear low pressure mud hopper. Complete with 2 in(also 1.5 inch special lower volume nozzle, venturi, funnel, sack table, 6 inch butterfly, valve all mounted on a base. This hopper with 2 inch nozzle handles 800-900 pounds of barite per minute. Three(3) inch male NPT inlet and 6 inch weld neck outlet. (Other end types are available). Unit primed with carbozinc and painted with finish coat. WT. 325#

Mud Hoppers

Model :E6VMHR

- Extra Shear
- Optional Size
- High and Low Shear
- Greater Header Recovery
- 4" Hopper also available



Fluid Systems centrifugal pumps have high reinforced housing and heavy-duty impellers for long, trouble-free life. These proven pumps are designed to be interchangeable with popular brands, manageable parts inventories. It is designed to change desanders, desilters, mud mixing operations and fresh water transfer. A careful selection of centrifugal pumps will result in a unit that will provide long lasting and dependable service.



Fluid Systems designed the rubber nozzles to solve your pump problems more than to solve your mud nozzle problems. For many years, mud guns were used as the sole means of agitation. These devices usually carry mud from a downstream compartment and spray it into an upstream compartment to keep solids suspended. However, the true mixing effect of mud guns tends to be localized around the point where the nozzle may add 100-200 GPM of mud into the tank above and beyond the normal flow from the well.

Centrifugal Pumps

Model : 8X6X14

- Horizontal pump packages come complete on a skid with coupling, guard, mechanical seal, full impeller, explosion proof motor and fluid end. Pump is blasted and top coated.
- Belt Driven Optional

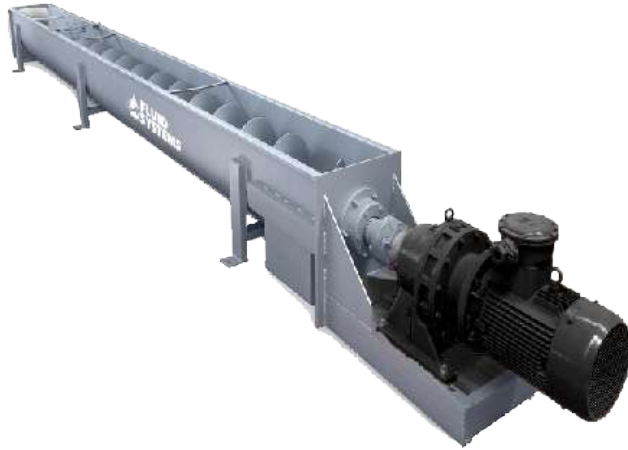
Available Pump Sizes

- 2 X 3
- 3 X 4
- 5 X 6
- 6 X 8

3" Mud Guns

Model : FSI3STMG

- Increasing Nozzle life 10-20 times over mild steel.
- Increases mud mixing pump life by preventing large increases in mixing gun volume which often causes cavitation.
- The design of this nozzle makes it efficient than the sharp shoulder in a 3 to 1 reducer. This feature increases blending and agitation



Fluid Systems offers cuttings screw conveyor systems for handling cuttings in a zero discharge environment both on land and offshore. Each screw conveyor is made up of 6' or 12' lengths that can be bolted together and sized to fit your application. On land, the optional "Auger Tank" can be used to contain drilled cuttings and move them on to dump trucks for transport to desired disposal location. We can manufacture screw conveyors out of carbon steel, abrasion resistant steel, stainless steel or other alloys to suit any specific requirements. We can also manufacture numerous inlets and discharges to fit your needs. If your needs are for special screw conveyors, let Fluid Systems' designing, engineering and manufacturing capabilities go to work for you.



Our Replace-A-Bed™ retrofit shaker baskets on some competitors machine at a fraction of cost if it would take you replacing the entire machine. If your shaker basket is in bad shape which affects the performance of your equipment, switch to our balanced and simple design Replace-A-Bed™

Screw Conveyors

Model : ESC18X36

- Available from 6" to 24' diameters
- Explosion Proof Electrical Design
- Rugged and Reliable
- High Performance
- Low Maintenance
- Safety Cable

Replace-A- Beds

Model : A500B

- A511
- A5111



Our Flow dividers receive the flow from the flow line and distribute it equally between the number of shakers on the mud pits. These Flow dividers have manual (air valves available) to control the flows and also contain a separate cement bypass valve to bypass the shakers.



The performance of your equipment is very vital in any rig operation. Now you can test and gather information easily with this instrument. It is easy to set up, install probes and very simple to use. Test results and analysis can be printed at your convenience. FSI's proprietary software for vibration analysis and G-force measurement is a proven instrument in the field. Its portable and lightweight parts make it ideal for any rig personnel to carry and bring it onsite.

Flow Dividers

Model : EFSI3WFD

Available Configurations

- 3 Way Dividers
- 4 Way Dividers
- 5 Way Dividers

G-Force Meter

Model : GF2017

- Mini-laptop
- Vibration analyzer software
- NI USB-9234 Module
- PCB Biaxial Accelerometer
- PCB 4-Conductor BNC Cable



The Fluid Systems vibrator motor can sustain higher starting torque and lower operating temperature than competing models. Its watertight stainless steel eccentric weight covers allow for wash downs in corrosive environments. With large diameter silicon O-ring to provide sealing, a stable and secure mounting with its two rail base design, and easily adjusted counterweights, makes this a top of the line OEM and replacement vibrator motor.



The FSI High Shear mixer has a non-circulation nozzle that generates twin geometrically and opposing downstream vortices. The twin vortices interact with each other overlapping axes. The overlapping axes influence fluid stretching and folding, and during the stretching, interfacial contact exposes individual particles to instant hydrations and the folding motion uniformly disperses the drilling fluid. The dynamic Interfacial contact in mixing will enhance the stability of Invert and oil based drilling fluids.

Vibrator Motor

- 3 Way Dividers
- 4 Way Dividers
- 5 Way Dividers

Shear Mixer

- Dynamic shearing
- Rapid hydration
- Uniform blending
- No moving parts
- Stainless steel body



Custom Mud
Systems

Custom Mud Systems

Model : 50bbl

- Easy Transportation
- Plug & Play
- Low Maintenance
- Safety Handrails
- Maintenance Free Clean-out
- Starter Wall Included



Model : 70bbl

- Easy Transportation
- Plug & Play
- Low Maintenance
- Safety Handrails
- Ex-Proof Lights
- Movable Shakers
- Maintenance Free Cleanout
- Starter Wall Included

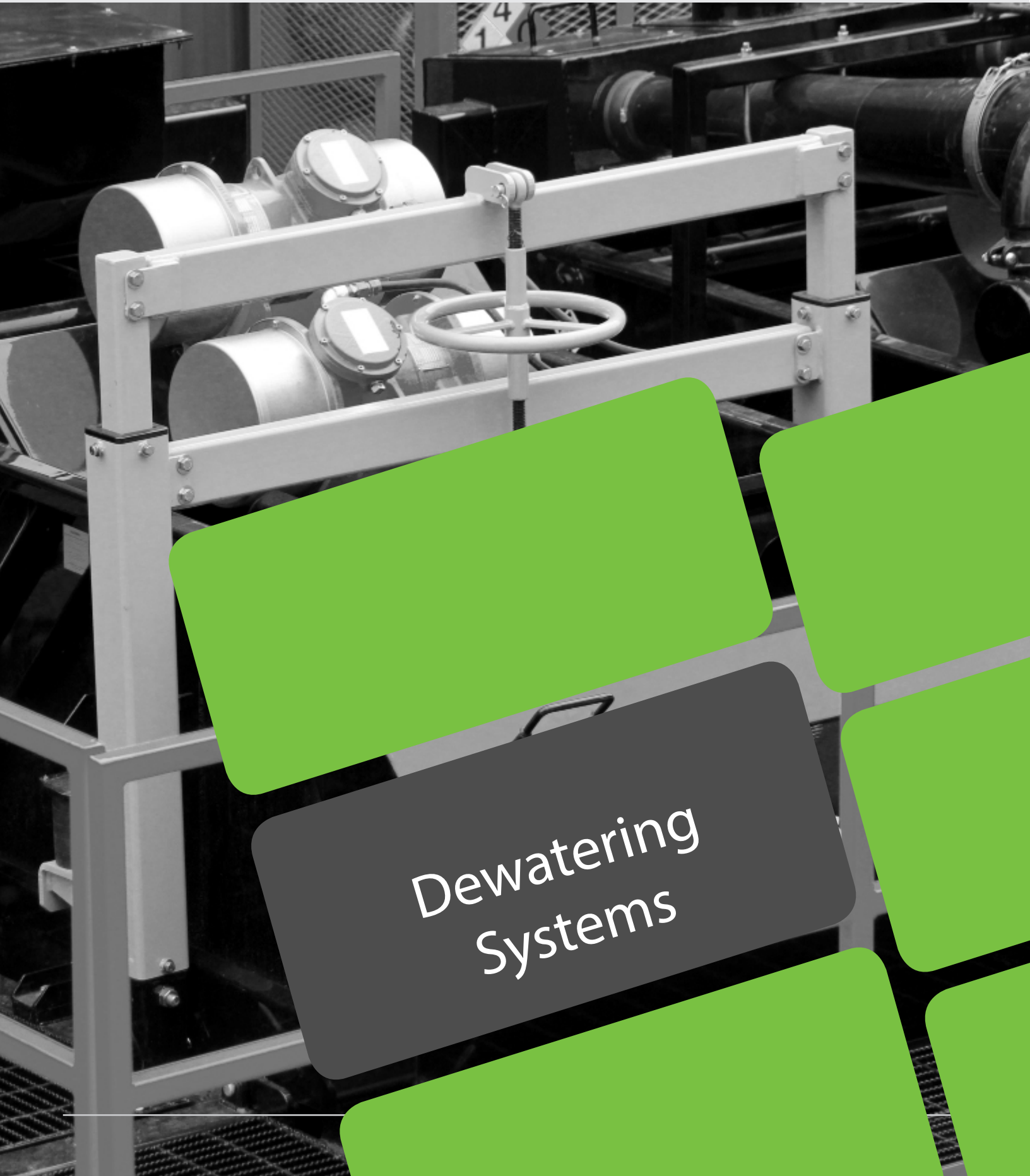


Custom Design

- Let Fluid Systems help design a mud system to your specific needs.
- Up to 4000 bbl
- Mobile or fixed intalations
- Trailer mounted untis available





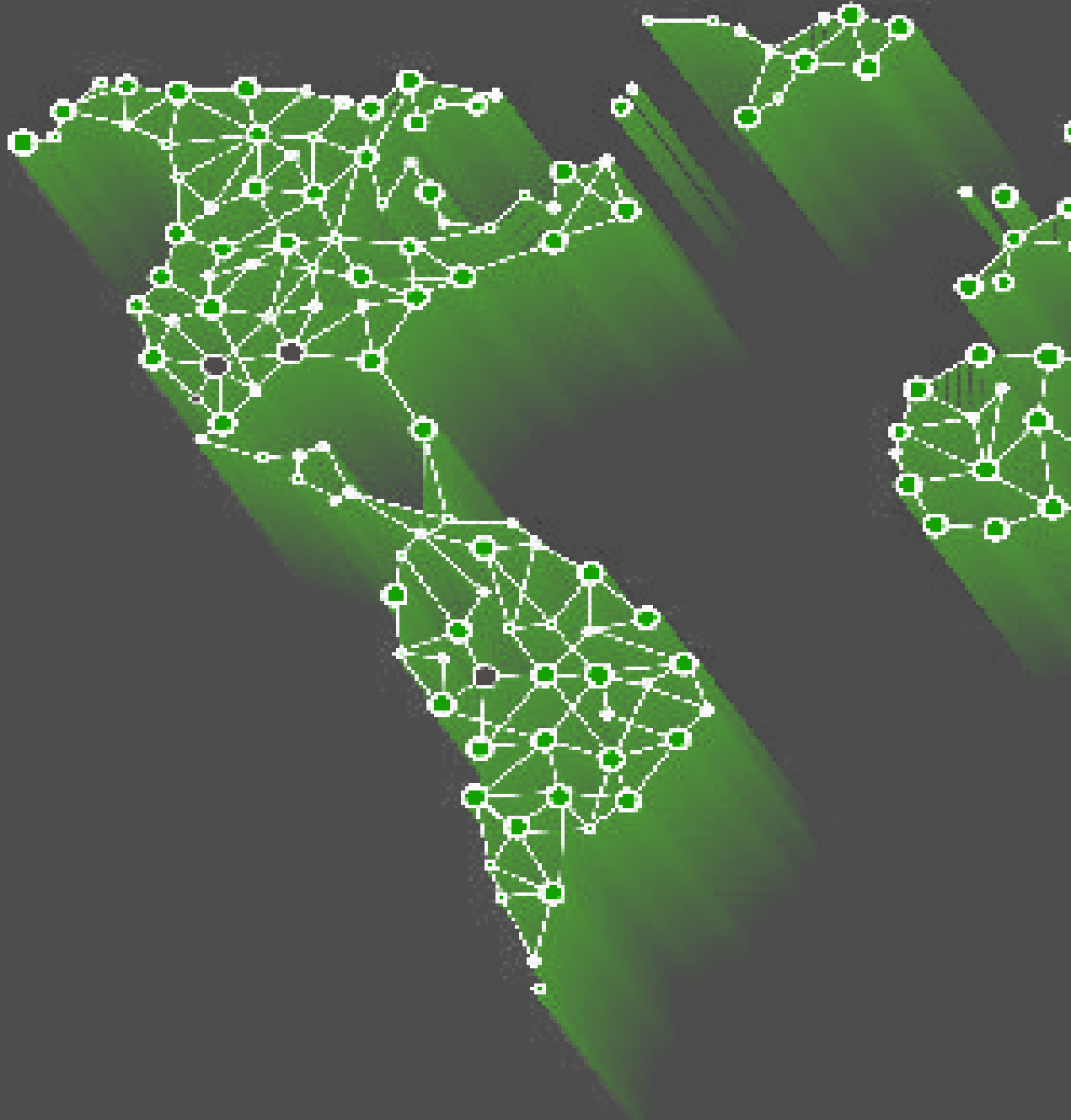


Dewatering
Systems



The Customized closed loop/dewatering mobile units are designed to process waste mud from the rig tanks or shaker skid liquid tank to produce clean water which is suitable for re-use on site and solids which are more easily handled for disposal. The units are contained inside weather proof enclosures specifically designed for work in harsh and cold oilfield environments. The weather proof enclosures are designed for quick disassembly and re-assembly in case the centrifuge or other equipment needs to be removed or replaced. Sides are incorporated into the design for durability and protection each time the system is rigged up or down. Heavy duty canvas tarps are stretched between the openings and attached to light weight metal frame. The unitized construction includes all re-quested storage and mixing tanks as well as required pumps. One feed tank that receives mud from either the cuttings dryer shaker skid or the rig tanks. The material in the tank is then transferred to the centrifuge. There is a platform and a ladder with an OSHA back guard for easy access in the rear of the trailer system. The 3x4 centrifugal pump is standard oilfield design made to withstand rigorous applications. A high- low level alarm system is built into the feed tank to closely monitor the operations.





Fluid Systems Is Represented Around The World



Technical Equipment Specifications

Shakers

Weights & Dimensions

Model	Options	Height in (mm)	Length in (mm)	Width in (mm)	Weight lbs (kg)
50BX4 Shaker	Feed Box	42 in (1087 mm)	88 in (2248 mm)	68 in (1747 mm)	2300 lbs (1043 kg)
	Weir Feed	43 in (1087 mm)	88 in (2248 mm)	68 in (1747 mm)	2300 lbs (1043 kg)
500B4X Shaker	Feed Box	58 in (1492 mm)	122 in (3105 mm)	61 in (1549 mm)	3300 lbs (1453 kg)
	Weir Feed	59 in (1492 mm)	123 in (3105 mm)	62 in (1549 mm)	3300 lbs (1453 kg)
511BLE Shaker	Feed Box	58 in (1492 mm)	122 in (3105 mm)	61 in (1549 mm)	3300 lbs (1453 kg)
	Weir Feed	59 in (1492 mm)	123 in (3105 mm)	62 in (1549 mm)	3300 lbs (1453 kg)
5111BLE Shaker	Feed Box	62 in (1581 mm)	151 in (3843 mm)	61 in (1549 mm)	4825 lbs (2189 kg)
	Weir Feed	63 in (1581 mm)	152 in (3843 mm)	62 in (1549 mm)	4825 lbs (2189 kg)
511/5111BLE Cascade	Feed Box	97 in (2465 mm)	159 in (4038 mm)	61 in (1549 mm)	8200 lbs (3719 kg)
5111/5111BLE Cascade	Feed Box	97 in (2465 mm)	159 in (4038 mm)	61 in (1549 mm)	9235 lbs (4188 kg)

Cuttings Dryers

Weights & Dimensions

Model	Options	Height in (mm)	Length in (mm)	Width in (mm)	Weight lbs (kg)
511BLE Cuttings Dryer	Weir Feed	58 in (1492 mm)	122 in (3105 mm)	61 in (1549 mm)	3300 lbs (1453 kg)
5111BLE Cuttings Dryer	Weir Feed	62 in (1581 mm)	133 in (3378 mm)	61 in (1549 mm)	4825 lbs (2189 kg)

Mud Cleaners

Weights & Dimensions

Model	Options	Height in (mm)	Length in (mm)	Width in (mm)	Weight lbs (kg)	Weight lbs (kg)
511BLE Mud Cleaner	2-8" Cones	90 in (2287 mm)	110 in (2789 mm)	73 in (1873 mm)	4050 lbs (1837 kg)	700 (2649)
	2-10" Cones	91 in (2287 mm)	111 in (2789 mm)	74 in (1873 mm)	4050 lbs (1837 kg)	1000 (3785)
	10-4" Cones	92 in (2287 mm)	112 in (2789 mm)	75 in (1873 mm)	4050 lbs (1837 kg)	1000 (3785)
5111BLE Mud Cleaner	4-8" Cones	82 in (2096mm)	131 in (3331 mm)	67 in (1718 mm)	5550 lbs (2523 kg)	1400 (5200)
	3-10" Cones	123 in (2682 mm)	132 in (3340 mm)	71 in (2016 mm)	6636 lbs (3016 kg)	1500 (5678)
	16-4" Cones	124 in (2682 mm)	133 in (3340 mm)	72 in (2016 mm)	6637 lbs (3016 kg)	1600 (6056)

Hydrocyclones

Weights & Dimensions

Model	Options	Height in (mm)	Length in (mm)	Width in (mm)	Weight lbs (kg)	GMP (LPM) at 75ftHead	
4" Desilters	Inline/Vertical	10 Cones	65 in (1651 mm)	56 in (1422 mm)	35 in (889 mm)	975 lbs (442 kg)	1000 (3785)
		12 cones	65 in (1651 mm)	56 in (1422 mm)	35 in (889 mm)	975 lbs (442 kg)	1200 (4542)
		16 cones	65 in (1651 mm)	64 in (1625 mm)	35 in (889 mm)	1000 lbs (453 kg)	1600 (6056)
10" Desanders	Inline/Vertical	1 Cone	76 in (1930 mm)	52 in (1320 mm)	32 in (812 mm)	550 lbs (249 kg)	500 (1892)
		2 Cones	76 in (1930 mm)	52 in (1320 mm)	32 in (812 mm)	550 lbs (249 kg)	1000 (3785)
		3 Cones	76 in (1930 mm)	62 in (1574 mm)	32 in (812 mm)	570 lbs (258 kg)	1500 (5678)
		4 Cones	76 in (1930 mm)	72 in (1828 mm)	32 in (812 mm)	590 lbs (267 kg)	2000 (7570)

Centrifuges

Weights & Dimensions

Model	Options	Height in (mm)	Length in (mm)	Width in (mm)	Weight lbs (kg)
Force 300 VFD	Centrifuge	51 in (1304 mm)	168 in (4273 mm)	39 in (990 mm)	5070 lbs (2300 kg)
	Electrical Control Cabinet	53 in (1360 mm)	22 in (573 mm)	44 in (1123 mm)	350 lbs (158 kg)
Force 40 VFD	Centrifuge	61 in (1527 mm)	181 in (4572 mm)	43 in (1150 mm)	10,500 lbs (4763 kg)
	Electrical Control Cabinet	53 in (1360 mm)	22 in (573 mm)	44 in (1123 mm)	350 lbs (158 kg)

Fluid Systems

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