IFS

Integrated Fluid Systems

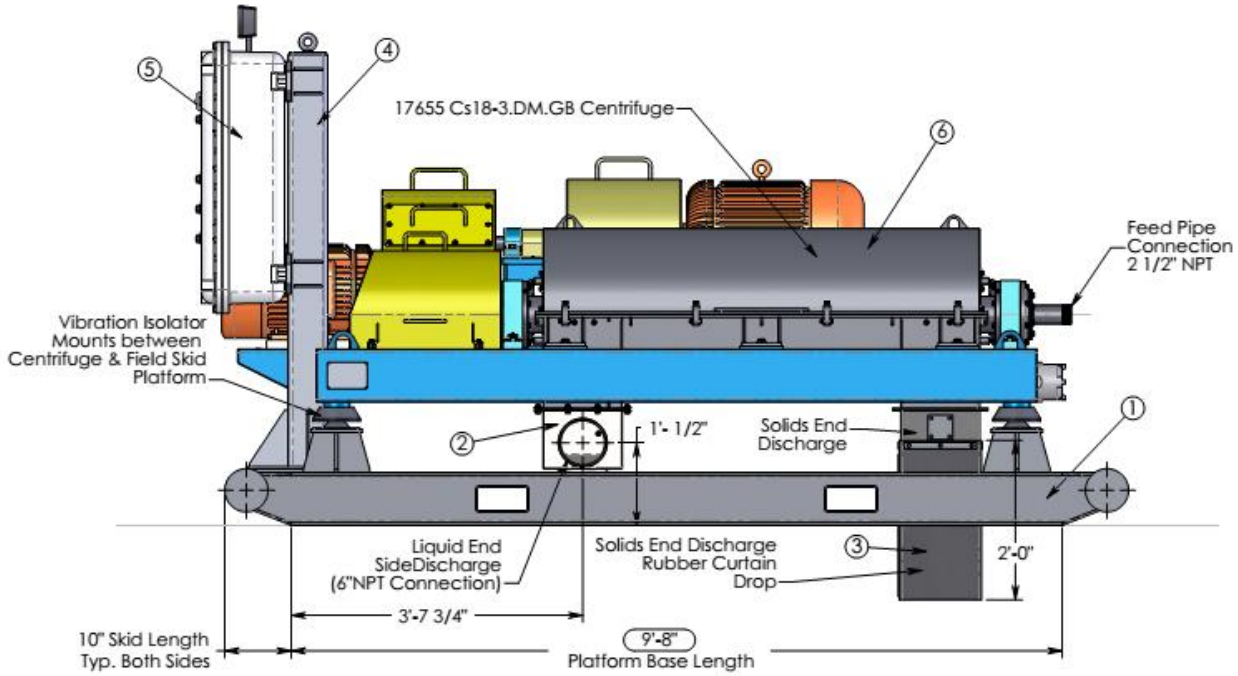
SOLIDS CONTROL SPECIALISTS

CENTRIFUGES

Centrifuges are used to process unweighted and weighted, water-based and oil-base drilling fluids. The 18.3 series centrifuge uses high G-forces to separate fine solids from liquids. The 18.3 is fed from the solids end of the conveyor. Mud is introduced in the feed chamber through a feed tube and exits in to the bowl via four nozzles. The 18.3 is able to exert up to 3,250 G's on the mud. It has a variable frequency drive (VFD) unit and has customized hardware and software packages that can be designed to meet specific installation and operation needs. With a processing capacity up to 250 gal/min the 18.3 series centrifuge offers outstanding performance over a wide range of drilling applications and conditions.

18.3 FEATURES	**18.3 BENEFITS**
250 gal/min maximum processing capacity	Ample capacity for utilization in a variety of drilling applications and conditions
80:1 ratio planetary gearbox	Reduced motor size
Case baffle gasket	Keeps separation streams apart
Case gaskets	Contain process materials within the case
Fluid fed from solids end	Shorter feed tube with less vibration
Flush connections	Aid in cleaning excess material from inside the case
Roller and ball bearings	Offer long life and low maintenance
Scroll fitted entirely with sintered tungsten carbide tiles	Offers abrasion resistance for maximum operational life and low maintenance
Stainless steel forged bowl and heads	Provide corrosion resistance for long life, smooth operation and low maintenance
Stainless steel case	Offers high strength and corrosion resistance
Torque overload mechanism	Provides torque overload protection. Shuts down both the centrifuge and feed pump in overload situations
Vibrations switch shut-off mechanism	Automatically disables operation in situations of high vibration

IFS 18.3 CENTRIFUGE



18.3 SPECIFICATIONS AND DIMENSIONS			
General	**IFS 18.3**	**Rotating Assembly**	**IFS 18.3**
Length	120"	Conveyor Pitch	9"
Width	76 ½"	Conveyor Type	Single
Height	54"	Feed Chamber Discharge Type	4 Nozzles
Weight	6355 pounds	Gearbox Type	2 Stage, Planetary
Bowl Diameter	18"	Gearbox Ratio	80:1
Bowl Length	50"		
Maximum Bowl Speed	3400 rpm	**Power Requirements**	**IFS 18.3**
Typical bowl Speed	2200 rpm	Main Drive Motor	60 hp
Maximum Processing Capacity	250 gal/min	Back Drive Motor	40 hp
Drive Type	Electric	Voltage	480 vac
Maximum G-Force	3250		