

# IFS

Integrated Fluid Systems

SOLIDS CONTROL SPECIALISTS

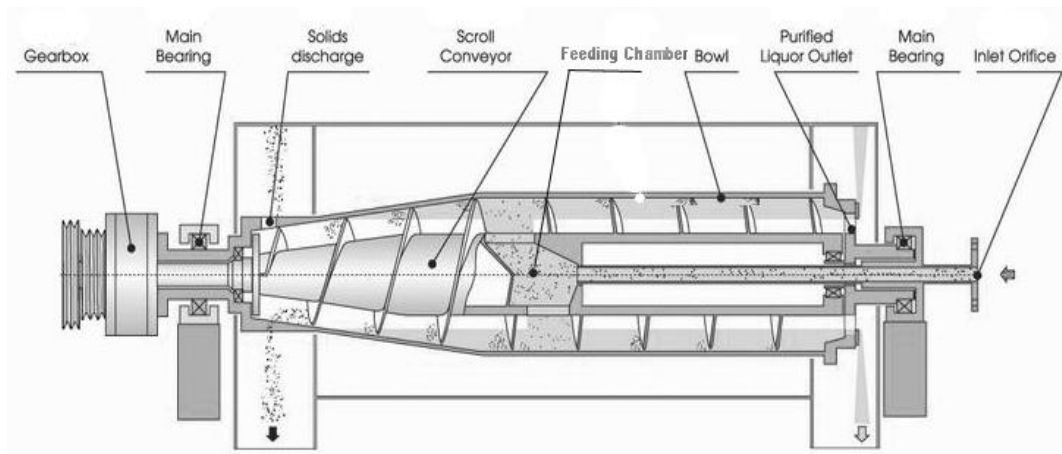


## CENTRIFUGES

Centrifuges are used to process unweighted and weighted, water-based and oil-base drilling fluids. The 3400 series centrifuge uses high G-forces to separate fine solids from liquids. The 3400 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 3400 is able to exert up to 2,870 G's on the mud. It has a fixed drive 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 200 gal/min the 3400 series centrifuge offers outstanding performance over a wide range of drilling applications and conditions.

3400 FEATURES	3400 BENEFITS
200 gal/min maximum processing capacity	Ample capacity for utilization in a variety of drilling applications and conditions
52:1 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 3400 CENTRIFUGE



### 3400 SPECIFICATIONS AND DIMENSIONS

General	IFS 3400	Rotating Assembly	IFS 3400
Length	98 inches	Conveyor Pitch	4.25 inches
Width	69 inches	Conveyor Type	single
Height	44 inches	Feed Chamber	
Weight	4800 pounds	Discharge Type	4 Nozzles
Bowl Diameter	14 inches	Gearbox Type	2 Stage, Planetary
Bowl Length	49.5 inches	Gearbox Ratio	52:1
Maximum Bowl Speed	3800 rpm	<b>Power Requirements</b>	<b>IFS 3400</b>
Typical bowl Speed	2200 rpm	Main Drive Motor	40 hp
Maximum Processing Capacity	200 gal/min	Back Drive Motor	N / A
Drive Type	Electric	Voltage	480 vac
Maximum G-Force	2870		