

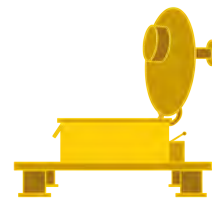
- LARGE CAPACITY
- LOW COST
- STABLE RUNNING PERFORMANCE
- HIGH SEPARTION EFFICIENCY



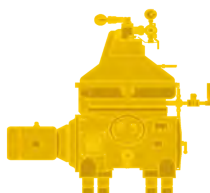
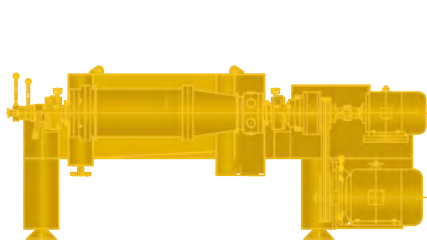
## **FILTER CENTRIFUGE SERIES**



## CATALOGUE



# FILTER CENTRIFUGE



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## Introduction

### Filter Centrifuge

**Filter centrifuge** (FCS & FSS series) is used to separate solid from liquid in various industries. It works on the principle of centrifugal force. Due to high rotation speed of bowl, lead liquid through drainage pipe and keep the solid inside the bowl. It is widely used in Pharmaceutical, Chemical, Dairy Industry, Textile Industry, Printing and Dyeing Industry and more.

**The FCS & FSS series** centrifuge consist motor, shell, bowl parts, upper cover with sight glasses, feeding pipe. The material feed into the bowl through feeding pipe, whole separation process will accomplish inside the bowl. The upper cover is controlled by hydraulic operating system. The electric motor is of the variable frequency drive type or of controlled-torque type. Filter centrifuge are available in horizontal model, vertical model, top discharge, bottom discharge, direct connected motor model and etc.



#### BEVERAGE / BREWING INDUSTRY

- Fruit & Vegetable juices
- Wine or Beer dewatering

#### TEXTILE

- Wood degrease
- Textile dewatering

#### CHINESE HERBAL MEDICINE

- Raw material washing
- Effective ingredient extraction

#### CHEMISTRY / BIOTECHNOLOGY

- Production of vitamins
- Calcium phosphate
- Heavy alkali
- Pigments
- Algae (Food, cosmetics)
- Fermentation broths / Industrial biotechnology

#### FATS / OILS / BIOFUELS

- Fish oil
- Animal fats
- Vegetable oil (Avocado oil / Palm oil / Coconut oil)

# Filter Centrifuge Series

Series      FSS/FCS

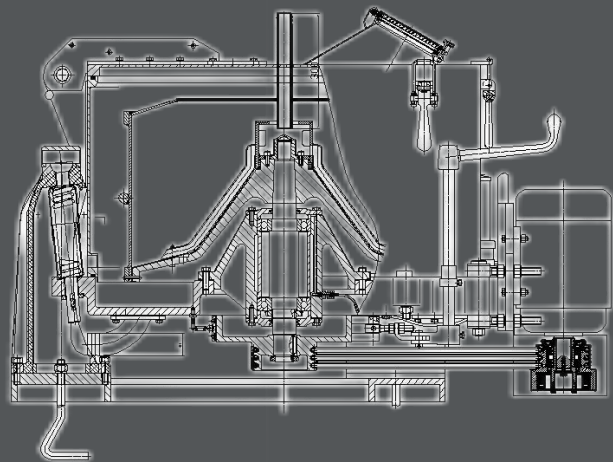
Parm/Model	300	450	600	800	1000
<b>Bowl Dia.</b> (mm)	300	450	600	800	1000
<b>Bowl Volume</b> (L)	6	22	40	90	180
<b>Max. Loading</b> (kg)	7.5	35	100	135	190
<b>Motor power</b> (kW)	1.8	3	4	7.5	11
<b>Weight</b> (kg)	150	420	700	1400	2000
<b>Dimension</b> <b>L*W*H</b> (mm)	500*500*720	900*900*900	1100*1100*1030	1350*1350*1130	1600*1600*1250

\* FSS: Sedimentation type    FCS : Filter type

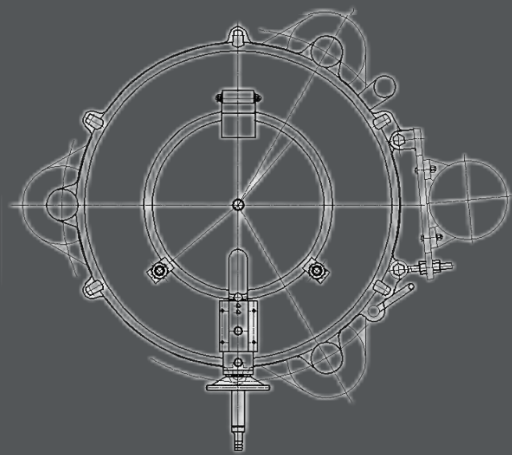
## Functional category

Type      FCS 800

Front

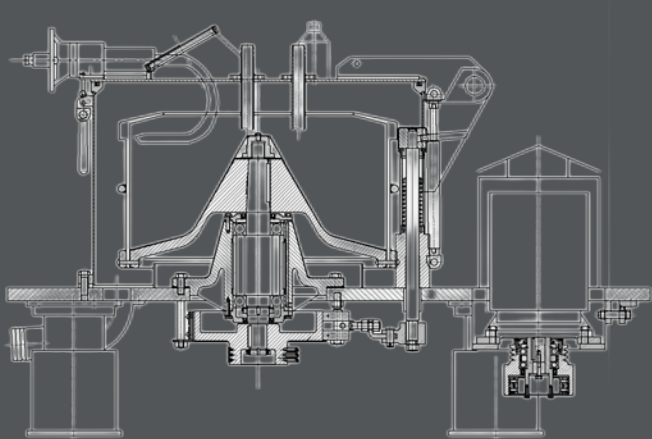


Overhead

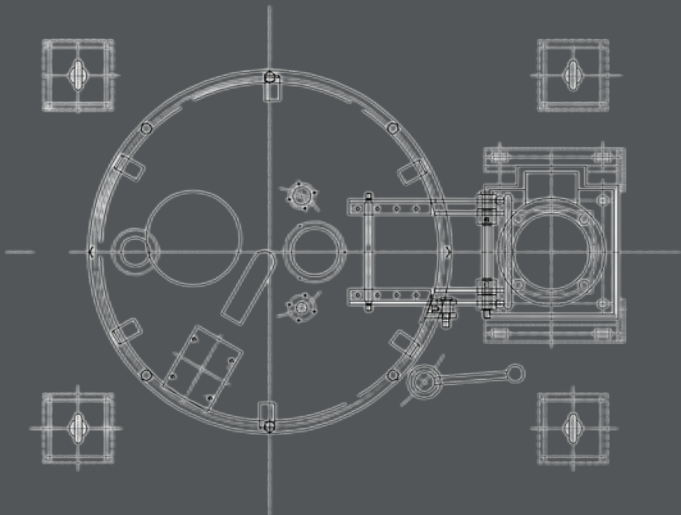


Type      FSS 600

Front



Overhead





## Filter Centrifuge Functional Catalogue

### FSS Series - Sedimentation type

FSS series, the solids & liquids are separated by centrifugal force using a filter media (usually a cloth) mounted over supporting mesh, which are together supported inside the rotating basket. The slurry to be filtered is fed through the feed nozzles to the basket and due to centrifugal force the liquid is forced out through the filter media while solids are retained within the filter media inside the bowl.

These solids then separated or discharged by various discharging methods namely - manually, bag lifting basket, through scraper, operated manually pneumatically/hydraulically, for which different models are available.



### FCS Series - Filtration type

FCS series is also suitable for washing large particle material, i.e. Traditional Chinese medicinal materials, at this time, do not need to put the filter bag or assemble a big pore size filter bag which determined by the material particle. All the parts contact with material is made by SUS304 stainless which can fully fit the food grade processing requirement. The inner bowl can be used the filter bag with 400-500 mesh and the material of the filter bag can be customize by client selection.



## Filter Centrifuge Customer Application

