



S. S. ENGINEERING

Manufacturers & Exporters of Chemical Plants & Machinery



CENTRIFUGE (HYDRO EXTRACTOR)

- Manual Top Discharge
- Manual Bottom Discharge
- Bag Lifting Top Discharge

MANUAL TOP DISCHARGE CENTRIFUGE



Manual Top Discharge type of Centrifuge is the basic type of Centrifuge for solid liquid separation. It contains Basket which is dynamically balanced in which a filter bag is placed which retains the solid within the Basket. The discharge of the solid cake is from the top which is done manually. It is a three point suspension under driven centrifuge.

The main parts of the Centrifuge are Bearing and Shaft, Basket, Drive and Brake

BEARING AND SHAFT :

The Heavy duty bearing is choosed to withstand vibratory load and centrifugal forces duly fitted in bearing housing . The bearing housing is so designed and filled with grease ensuring long maintenance free performance. The shaft is made up of suitable material and duly balanced independently without the basket for higher accuracy.

BASKET :

The basket is made up of adequate thickness so as to withstand the loads caused by the centrifugal forces developed by material in the basket. It is perforated and duly balanced. The basket bottom is made up of Mild Steel and lined at the inner surface by Rubber or SS as required.

DRIVE :

The drive consists of Motor mounted at the basket casing driven through V belt with provision of the tensioning the belts. The Centrifuges are fitted with Mechanical Clutch pulley at the motor shaft.

BRAKE :

The Centrifuge are fitted with external shoe brakes with brake liners. The brakes are heavy duty type designed to bring loaded basket to stop quickly.

MATERIAL OF CONSTRUCTION :

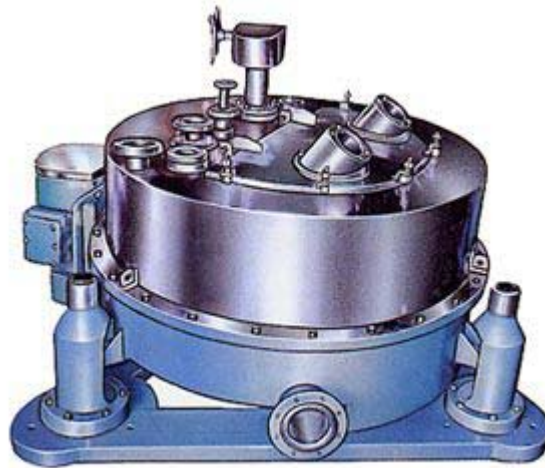
The Centrifuge Material of Construction is Carbon Steel, Stainless Steel and Rubber lined.

TECHNICAL SPECIFICATIONS

MODEL	SS-24	SS-36	SS-48	SS-60
Basket Diameter mm	600	900	1,200	1,500
Depth mm	300	425	500	500
Max. Basket Revolution RPM	1,000	1,000	900	800
Filteration Area Mtrs sq.Area	0.56	1.2	1.88	2.35
Motors H.P.	3	7.5	15	20
Rated charge in Basket Ltrs	50	140	280	400

Note: We reserve the right to change size and design features.

MANUAL BOTTOM DISCHARGE CENTRIFUGE



Bottom Discharge type of Centrifuge is the basic type of Centrifuge almost like Top Discharge centrifuge for solid liquid separation. It contains Basket which is dynamically balanced in which a filter bag is placed which retains the solid within the Basket. The arrangement for the discharge of the solid cake is provided at the bottom which is done manually. It is quick discharge thereby saves on time and labour. It is a three point suspension under driven centrifuge.

The main parts of the Centrifuge are Bearing and Shaft, Basket, Drive and Brake

BEARING AND SHAFT :

The Heavy duty bearing is choosed to withstand vibratory load and centrifugal forces duly fitted in bearing housing . The bearing housing is so designed and filled with grease ensuring long maintenance free performance. The shaft is made up of suitable material and duly balanced independently without the basket for higher accuracy.

BASKET :

The basket is made up of adequate thickness so as to withstand the loads caused by the centrifugal forces developed by material in the basket. It is perforated and duly balanced. The basket bottom is made up of Mild Steel and lined at the inner surface by Rubber or SS as required.

DRIVE :

The drive consists of Motor mounted at the basket casing driven through V belt with provision of the tensioning the belts. The Centrifuges are fitted with Mechanical Clutch pulley at the motor shaft.

BRAKE :

The Centrifuge are fitted with external shoe brakes with brake liners. The brakes are heavy duty type designed to bring loaded basket to stop quickly.

MATERIAL OF CONSTRUCTION :

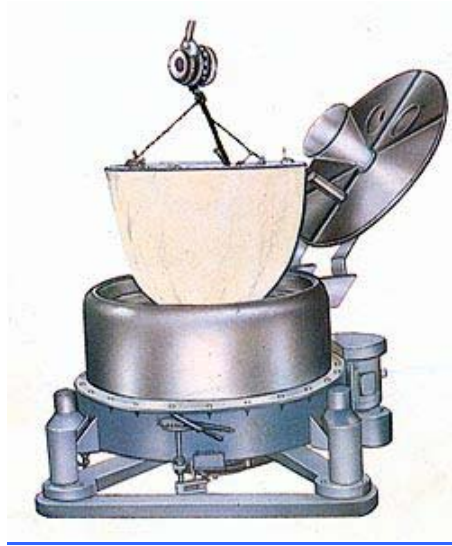
The Centrifuge Material of Construction is Carbon Steel, Stainless Steel and Rubber lined.

TECHNICAL SPECIFICATIONS

MODEL	SS-24	SS-36	SS-48	SS-60
Basket Diameter mm	600	900	1,200	1,500
Depth mm	300	425	500	500
Max. Basket Revolution RPM	1,000	1,000	900	800
Filteration Area Mtrs sq.Area	0.56	1.2	1.88	2.35
Motors H.P.	3	7.5	15	20
Rated charge in Basket Ltrs	50	140	280	400

Note: We reserve the right to change size and design features.

BAG LIFTING TOP DISCHARGE CENTRIFUGE



Bag Lifting Top Discharge type of Centrifuge is the basic type of Centrifuge for solid liquid separation. It contains Basket which is dynamically balanced in which a filter bag is placed which retains the solid within the Basket. This bag can be lifted using chain pulley manually or motorised mode. Thus the discharge of solid cake is instant and fast, facilitating faster and less labour involved. The main parts of the Centrifuge are Bearing and Shaft, Basket, Drive and Brake

BEARING AND SHAFT :

The Heavy duty bearing is choosed to withstand vibratory load and centrifugal forces duly fitted in bearing housing . The bearing housing is so designed and filled with grease ensuring long maintenance free performance. The shaft is made up of suitable material and duly balanced independently without the basket for higher accuracy.

BASKET :

The basket is made up of adequate thickness so as to withstand the loads caused by the centrifugal forces developed by material in the basket. It is perforated and duly balanced. The basket bottom is made up of Mild Steel and lined at the innersurface by Rubber or SS as required.

DRIVE :

The drive consists of Motor mounted at the basket casing driven through V belt with provision of the tensioning the belts. The Centrifuges are fitted with Mechanical Clutch pulley at the motor shaft.

BRAKE :

The Centrifuge are fitted with external shoe brakes with brake liners. The brakes are heavy duty type designed to bring loaded basket to stop quickly.

MATERIAL OF CONSTRUCTION :

The Centrifuge Material of Construction is Carbon Steel, Stainless Steel and Rubber lined.

TECHNICAL SPECIFICATIONS

MODEL	SS-24	SS-36	SS-48	SS-60
Basket Diameter mm	600	900	1,200	1,500
Depth mm	300	425	500	500
Max. Basket Revolution RPM	1,000	1,000	900	800
Filteration Area Mtrs sq.Area	0.56	1.2	1.88	2.35
Motors H.P.	3	7.5	15	20
Rated charge in Basket Ltrs	50	140	280	400

Note: We reserve the right to change size and design features.

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