



SeFluid's screw decanter centrifuge series is a continuous and efficient separation equipment that uses centrifugal force to separate different density media. It can be used for the separation of liquid and solid phases, and liquid phases of different specific gravity, with a wide range of applications, large processing capacity, low moisture content of the slag, and continuous processing, so the degree of automation is high; and the machine covers a small area with low industrial noise, small power consumption, energy saving effect, stable operation and low maintenance costs. Our products are widely used in food, chemical, pharmaceutical sewage treatment and printing and dyeing industries.

SeFluid screw decanter centrifuge series, which can concentrate, dewater and classify the suspension of solid particles in the range of a few microns to a few millimeters in particle size, are used in municipal, industrial sewage treatment and pharmaceuticals, and have successfully entered many industries such as protein extraction and juice separation.

Product Features

- High separation factors.
- Large L/D ratio: up to 4.4; high rotational speed, small differential speed system, large L/D ratio increase the material clarification and dewatering residence time in the machine. High rotational speed with large centrifugal force, small differential speed to reduce screw stirring of materials, increase dewatering residence time, thus improving the separation effect of sludge thickening, dewatering and clarification; compared with the general screw decanter centrifuge, the solids and slag are drier and the separation liquid is more clarified.
- Smooth operation: the implementation of precision dynamic balancing of parts and dynamic balancing of the entire working speed of the machine.
- Low noise: noise pressure level below 85dB(A).
- Reliable operation: Our centrifuges, under correct operation, ensure long-term trouble-free operation of the machine.
- Good material: the parts in contact with the material are made of stainless steel 321, 316 (the standard material is 321 stainless steel).

Key Parts



- Drum: all stainless steel, column conical structure, symmetrical distribution of adjustable liquid stopper plate at the outlet of the clear liquid; solid-phase outlet sprayed with wear-resistant alloy powder.
- Cycloid differentials, planetary gear differentials, hydraulic motor differentials.
- Spiral: all stainless steel material, equal pitch design, special treatment on the surface of the cylinder body, solid, wear-resistant and anti-corrosion.
- High quality motor

Prerequisites for using a screw decanter centrifuge for separation operations

- The components of the material to be separated must exist between the density difference, the greater the difference in density, the easier the separation.
- The particles of the solid material to be separated can form a suspension in the liquid, the more ideal the suspension, the easier the separation.

Typical Applications



- Sludge thickening and dewatering in urban sewage treatment plants, municipalities, water supply plants, industrial water and wastewater treatment plants.
- Sludge dewatering in chemical, woolen, printing and dyeing, electroplating, tanning, paper making and other wastewater treatment projects.
- Liquor and fruit juice production (wine, beer, vegetable juice, fruit juice).
- Meat, vegetable processing (oil, fat, starch, soy protein).
- Dewatering of oilfield drilling and mining mud.

Specifications

Model	Drum Diameter (mm)	Drum Speed (r/min)	Drum Length (mm)	L/D	Separation Factor	Production (m ³ /h)	Motor Power (kw)	Weight (kg)	Size (LxWxH)
SELW250x1050	250	4800	1050	4.2	3000	0.5-3.5	11	900	1820x1200x800
SELW300x1300	300	4200	1300	4.3	2800	1-12	11-15	1600	2900x900x1300
SELW350x1550	350	3700	1550	4.4	2700	2-16	15	2200	3300x1000x1400
SELW400x1750	400	3400	1750	4.4	2600	3-20	22	2400	3500x1060x1450
SELW450x1950	450	3000	1950	4.3	2000	4-25	22	2800	3700x1100x1500
SELW530x2270	530	2700	2270	4.3	2100	5-40	37	3800	4000x1200x1600