



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.



- 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

Typical Applications

- 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	Drum Length	Drum Speed	Separation Factor	Capacity	Main Motor Power	Auxiliary Motor Power	Weight	Dimensions
	(mm)	(mm)	(rpm)	(g)	(m³/h)	(Kw)	(Kw)	(Kg)	(LxWxH)
SEWL250	250	1150	4800	3355	0.6-5.6	7.5	3	1100	2500X800X1000
SEWL300	300	1335	4200	2963	1-8	11	4	1450	2750X800X1000
SEWL360	360	1600	3800	2911	1.6-10	18.5-22	5.5-7.5	2000	3500X860X1100
SEWL420	420	1800	3600	2900	2-15	22	7.5	2500	3900X1050X1200
SEWL450	450	2000	3300	2750	3-20	30-37	11	3550	4300X1100X1250
SEWL500	500	2200	3200	2860	3-26	37-45	11-15	4000	4500X1150X1300
SEWL530	530	2280	3000	2670	5-30	45-55	15	5000	4900X1250X1400
SEWL560	560	2380	2800	2550	6-38	55-75	15-22	6350	5000X1300X1450
SEWL650	650	2600	2700	2650	8-50	75-90	22-30	7000	4200X1900X1300
SEWL720	720	2680	2600	2725	10-60	90-132	30-45	7600	4300X2100X1400
SEWL750	750	2800	2500	2625	10-68	132-164	45	8200	4500X2200X1400
SEWL850	850	3050	2200	2300	15-80	164-200	55-75	12000	5000X2380X1600