

SeFluid's high shear bottom entry mixer series combine mixing, dispersing, thinning, homogenizing, and emulsifying functions in one machine. This mixer type usually is mounted at the bottom of a kettle, tank or reactor, and is widely used in the emulsification and homogenization of food, pharmaceutical, cosmetics, chemical, mining, paper, water treatment and fine chemical industries.

### How does it work?

In a high shear bottom entry mixer, the rotor and stator are in precise coordination with each other, and the working head is of claw type structure with high shear efficiency. The rotor with extremely high linear speed and high-frequency mechanical effect of the strong kinetic energy, so that the raw material in the rotor, stator precision gap can be proceeded by shear, centrifugal extrusion, liquid layer friction, tearing and turbulence and other comprehensive action, so as to achieve a high degree of dispersion, grinding, emulsification effect.

### Features

- Usually a high shear bottom entry mixer is mounted at the bottom of tanks, kettles or reactors, or installed on mobile or fixed support for use;
- Usually for intermittent production, according to the customer's production requirements, design emulsifier each batch of processing capacity;
- The bearing can be mechanically sealed, and reliable vacuum or positive pressure working conditions can be realized in the emulsifying kettle.
- Elastic connection between motor and transmission shaft;
- Standard flange frame;
- The claw structure is universal;
- The emulsifying head can be mesh, long hole or round hole emulsifying head. It is suitable for different material viscosity and easy to be disassembled and replaced.
- The combination of high shear emulsifier and various agitators can be customized to meet various technological requirements.
- Length can be customized according to customer requirements;
- When the working temperature is less than 180 ° C, and when the working temperature exceeds 60 ° C, it shall be explained when ordering.
- High shear emulsifier with explosion-proof performance can be selected.

- Simple installation and disassembly, easy cleaning, to meet the cleaning needs of different occasions;
- The treated materials have the characteristics of narrow particle distribution range and good uniformity;
- High shear bottom entry mixer series can be fixed on the kettle or fixed with supports;
- It has certain self-suction and low-head conveying functions;
- No dead Angle, 100% material is dispersed and emulsified;
- Low noise, stable operation and easy maintenance;
- Time saving, high efficiency, energy saving, high production efficiency.
- With large handling capacity and small energy consumption, it is suitable for industrial continuous production;

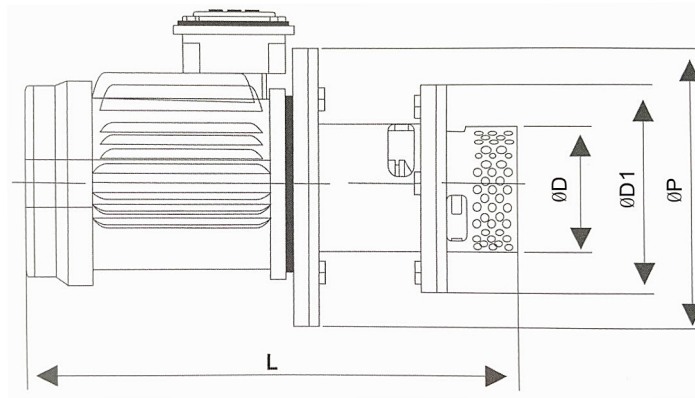
### Work Head of High Shear Bottom Entry Mixer

According to the different properties and types of processing materials, our high-shear bottom entry mixer can adopt different working head structures, mainly including helical tooth shape, vertical tooth shape, round hole shape, square hole shape and capsule hole shape. The user only needs to tell us the properties of the material, such as the particle size and viscosity, etc., and our engineers can select or specially design the most suitable and efficient work head form for the user to meet the different application needs of the customer.



### Technical Specifications

Model	Motor Power (kw)	Speed Range (r/min)	Capacity (L/batch)
SRL100	2.2	2850	50-200
SRL120	4	2850	100-300
SRL140	7.5	2920	300-800
SRL160	11	2920	500-1000
SRL180	18.5	2930	500-1500
SRL200	22	1440	1000-2000
SRL220	37	1440	1500-3000
SRL270	55	1440	2000-5000
SRL290	90	1440	3000-10000



## DIMENSION

MODEL	D	D1	P	L
SRL100	88	145	200	500
SRL120	120	220	250	550
SRL140	140	240	300	645
SRL160	160	270	350	770
SRL180	169	280	350	780
SRL200	180	300	350	860
SRL220	200	320	400	930
SRL270	220	340	400	950
SRL290	240	360	450	950