

Single Stage Inline High Shear Homogenizer Pump



This model with key part of stator and rotor, which is linear cutting, It can disperse, mix and emulsify various kind of liquid with different viscosity by high shearing power. Widely used in production of food, beverage, fragrance, cosmetic, shampoo, asphalt/bitumen emulsion, shampoo.

Working Principle

Has similar work theory with high shear batch emulsifier, which the rotor and stator work together to generate strong shearing power during speedy running to realize mixing, smashing and emulsion. Inline mixer could also be fixed on pipeline to do continuous work. The standard components are pump chamber, rotor and stator. Inline mixer is applied to emulsify and disperse kinds of liquids continuously, transmits low viscosity material and mix powder and liquid. It is widely used in the field of Daily, Beverage, food, Pharmacy, Chemical industry etc.

Specification

- Power supply: 380v, 50hz, 3ph (voltage can be customized)
- Rotation speed: 0-3000rpm/0-1500rpm
- structure: 6 layers of stator and rotor
- flow: 0.5-70m³
- Surface treatment: electro polishing, inner: Ra0.8-1.2um, outer Ra3.2um, other part is coated resistance to chemical corrosion paint

- Single stage Two Layer of precision engineered stator and rotor inside of the chamber
- double end mechanical seal, can design water protector according to requirement
- perfect emulsifying, reach micro-emulsion, suitable for high requirement emulsion
- adopt elastic connection, low noise, prolong the service life
- material: all parts contact with material is ss304 or ss316L stainless steel
- head/lift: 8m

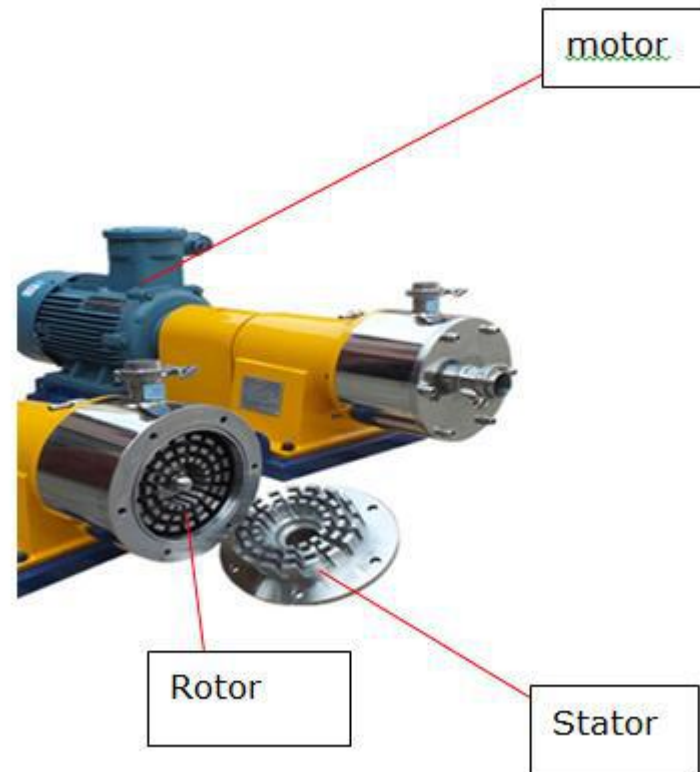


Inline High Shear Homogenizer Pump



High Shear Homogenizer Pump

Machine details



Advantages

1. Time-saving, energy-saving and high efficiency
2. Low noise and stable running
3. Eliminating the differences between the batch production
4. With the function of short distance and low lift transportation, availability for circular process
5. Easy operation and simple maintenance
6. Availability for automatic control

Application

Emulsifying (Liquid to liquid), metal-oxide suspension and water-in-oil or oil-in-water emulsion manufacturing, accelerating reaction speed, improving activator productivity, nano-chemical products producing.

Data Sheet & Models

Model	Power(kw)	Rotation(rpm)	Flow (m3/h)	Entrance	Exit
ELR401/1/6	1.1	2890	1	DN40	DN32
ELR405/1/6	4	2890	4	DN40	DN32

ELR410/1/6	7.5	2890	8	DN50	DN40
ELR415/1/6	11	2890	12	DN65	DN50
ELR420/1/6	15	2890	18	DN65	DN50
ELR425/1/6	18.5	2890	20	DN65	DN50
ELR430/1/6	22	2890	22	DN65	DN50
ELR450/1/6	37	1440	30	DN100	DN80
ELR475/1/6	55	1440	40	DN125	DN100
ELR490/1/6	75	1440	55	DN125	DN100
ELR510/1/6	90	1440	65	DN125	DN100
ELR530/1/6	110	1440	80	DN150	DN125

Professional technical supports & Processing Machines

Our engineers are around 20years rich experience in this area, professional skills and stable processing.

We have lathes, grinder, drilling machine, boring machine, polishing machine, milling machine...etc.

Maintenance & Services

- 1.Before order, customer can take materials to ourvlab and make test grindings, spot-testing parameters like particle size distribution, obtain reliable data for model selection;
- 2.We offer you Videos for equipment installation and maintenance in both English and Chinese;
- 3.With three years of spare parts inventory to ensure normal use and make you to be in trouble free;
- 4.After delivery, our professional engineer will offer on-site guidance debugging free of charge, according to different characteristic of materials, to set up the operational parameters of the mill and ensure optimal grinding quality & equipment running status;
- 5.After the warranty period, we provide maintenance and maintenance service, only charge the cost;