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Inline High Shear Mixer

Inline High shear mixer mixing pump for homogenizing

Emulsion Pump

High Shear Mixer

What is a High Shear Mixer? High shear mixers, also known as high shear reactors (HSRs), rotor-stator mixers, and high shear homogenizers, are used to emulsify, homogenize, disperse, grind and/or dissolve immiscible mixtures with components of the same or different phases. These machines have characteristics of high rotor tip speeds, high shear rates, localized energy dissipation rates, and higher power consumption than ordinary mixers. Working principle: High shear

Emulsifying Pump

The role of emulsifying machine and matters needing attention Definition of emulsion pump: Emulsifying pump is a precise combination of stator, which produces strong shear force in high speed rotation to achieve mixing. homogenizing, dispersing and crushing. Working principle: Electric energy is the power source of the emulsion pump, which mainly relies on the support of electric power to convert the electric energy into the power of high-speed rotation of the rotor. Under th...

SRH Single Stage Emulsifier Pump

It is a single-stage multi-layer and three-stage multi-layer sanitary shear homogeneous emulsifying pump specially designed by our company for customers. The strong kinetic energy is brought by the high tangential speed and high frequency mechanical effect generated by the high-speed rotation of the rotor. The material is subjected to the strong mechanical and hydraulic shear, centrifugal extrusion, liquid layer friction, impact tearing and turbulence in the narrow clearance of stator

High Speed Shear Mixing Pump With Hopper

High speed shear mixing pump with hopper is a mixing pump with hopper. The mixing process could continuous doing circulation mixing from the pump to the hopper. The mixing pump could be used to emulsifying cosmetics, pesticide, oil etc products. The pump head is made of 304 or 316 stainless steel.

Stainless Steel Three Stage High Shear Mixer Pump

Three stage emulsifying pump have three sets of rotor and stator. In line high shear emulsification pump is a high-efficiency mixing pump that integrates mixing, dispersion, homogenization, and emulsification.

Single Stage Inline Homogenizer Emulsifier Pump

Single stage emulsifying pump have one set of rotor and stator. The mixing pump is used for continuous production or circulating processing of fine materials. There are 1-3 sets of multi-layer stators and rotors that are coupled with each other, which rotate at high speed.

Three stage emulsifying pump have three sets of rotor and stator. In line high shear emulsification pump is a high-efficiency mixing pump that integrates mixing, dispersion, homogenization, and emulsification. The main working parts are composed of a stator and a rotor. The rapid rotation of the rotor generates centrifugal force, and the stator remains stationary. Through the precise combination of the rotor and the stator, a strong shearing force is generated during high-speed rotation, and the material is strongly sheared. So as to make immiscible solid phase, liquid phase, gas phase and other media.

MODEL	POWER (KW)	RPM （R/MIN）	FLOW （M³/H）	INLET	OUT
SRH-3-60	4	2900	0-4	DN40	DN4
SRH-3-100	7.5		0-8	DN50	DN4
SRH-3-120	11		0-12	DN50	DN4
SRH-3-140	15		0-18	DN50	DN
SRH-3-165	22		0-22	DN65	DN
SRH-3-200	37		0-30	DN80	DN
SRH-3-220	55		0-40	DN100	DN
SRH-3-240	75	1440	0-55	DN100	DN
SRH-3-260	90		0-65	DN125	DN
SRH-3-300	110		0-80	DN125	DN1
SRH-3-360	132		0-100	DN150	DN1
SRH-3-380	160		0-120	DN150	DN1
SRH-3-400	185		0-140	DN150	DN1

It is a single-stage multi-layer and three-stage multi-layer sanitary shear homogeneous emulsifying pump specially designed by our company for customers. The strong kinetic energy is brought by the high tangential speed and high frequency mechanical effect generated by the high-speed rotation of the rotor. The material is subjected to the strong mechanical and hydraulic shear, centrifugal extrusion, liquid layer friction, impact tearing and turbulence in the narrow clearance of stator and rotor, and the multiphase (solid, liquid, gas) medium is instantly fully and effectively mixed and homogenized emulsification.

Double-layer stator and rotor gear type

Multilayer stator and rotor toothed type

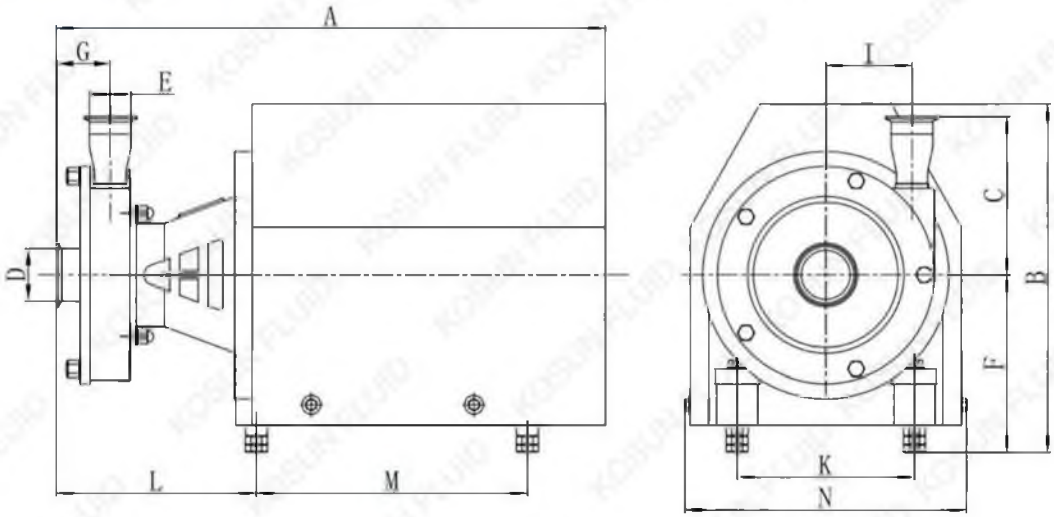
Single-layer blade mesh type

Model Meaning

YUY-R 1-165

- Roter Diameter
- One Stage To 3 Stages
- Sanitary Grade

Technical Specification



Model	Flow rate (m³/h)	Pump head (M)	Power (Kw)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	I (mm)	G (mm)	K (mm)	L (mm)	M (mm)	N (mm)
YUY-R1-125	3	5	2.2	511	318	151	51	38	163	80	55	140	213	208	243
YUY-R1-125	3	5	3	577	373	151	51	38	185	80	55	190	232	240	283
YUY-R1-145	5	5	4	577	373	151	51	38	185	80	55	190	232	240	283

YUY-R1-145	5	5	5.5	662	423	151	51	38	215	80	55	216	227	330	343
YUY-R1-175	10	10	7.5	668	423	193	63	51	215	105	66	216	243	330	343
YUY-R1-175	10	10	11	815	529	193	63	51	239	105	66	254	274	430	373
YUY-R1-200	15	15	15	825	529	207	76	63	239	115	62	254	283	430	373
YUY-R1-200	15	15	18.5	825	529	207	76	63	239	115	62	254	283	430	373
YUY-R1-220	20	15	18.5	825	529	207	89	63	239	115	62	254	283	430	373
YUY-R1-220	20	15	22	850	550	207	89	63	239	115	62	254	283	430	373

Note: 1.The above installation dimensions are for reference only.

2.The processing capacity in the table refers to the data measured when the medium is water.

3.If the medium has viscosity or solid content, high temperature, high pressure, flammable and explosive, corrosion, etc., please provide detailed data.

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