

MQ High Speed Homogenizer

Cat No: MQ500

MOLEQULE-ON[®]



Description

MQ High Speed Homogenizer is used in various tasks from sample preparation to formulation study. The motor drives the rotor to rotate at high speed, and the sample is homogenized or dispersed by the gap between the rotor and stator, usually in a short period of time. The package include one host, one set support stand, one shaft tube, one piece S20C stator and one piece SR20 rotor.

Applications

Widely applied for histocyte lysis, cell homogenization, emulsion, nanometer scale dispersion process in biology, pharmaceutical, genetic and pathology studies, dairy product or fruit homogenization, production of fragrance, cosmetics, textile auxiliary, food, ink, paint, fine chemicals, agriculture chemicals, and analysis in mineral exploration, environmental protection and energy resource exploration.

Features

- Speed ranges from 10000 to 30000 rpm
- High quality 316L stainless steel with corrosion and autoclave resistance.
- Rotor with simple design can be dismantled, cleaned and sterilize conveniently.
- Applicable for sample with viscosity up to 10000 mPa.s.
- Replaceable rotors and stators sharing the same shaft, cost effective.
- Automatic overload protection mechanism maximizes the working life of motor.
- Smooth motor start, stable acceleration without spillage risk.

Dispersion Probe

Material: Dispersion head components are made of high quality stainless steel to ensure the mechanical performance while rotating at high speed of 30000 rpm.

Bearing: Made of excellent material, the bearing is sturdy, durable and corrosion resistance. Its mechanical performance and chemical characteristic are stable.

Easy to Clean; the dispersion head is designed to be easily dismantled and thus cleaned. The components can be cleaned manually or automatically and can be autoclaved. Even the precision components can be removed to clean.



Specifications

Model	MQ500
Speed Range	10000-30000 rpm
Max Linear Velocity	22.7-36m/s
Speed Level	6 Levels
Dispersion Probe Material	SS316L Stainless Steel, PTFE
Sample Capacity	10-40000ml
Sample Viscosity	10000mPa.s
Dimension	L350xW300xH600mm
Wight	1.7Kg
Dimensions	26x16.7x12.5cm
Power Supply	220V; 50/60Hz