D-500 High Shear Homogenizer



Features

- High quality 316L stainless steel with corrosion and autoclave resistance
- Rotor with simple design can be dismounted, cleaned, and sterilized conveniently
- 6 speed levels
- Applicable for sample with viscosity up to 10000mPa.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

Applications

Widely applied for histocyte lysis, cell homogenization, emulsion, nanometer scale dispersion process in biology, pharmaceutical, genetic and pathology study, diary product or fruit homogenization, polymerization reaction, production of fragrance, cosmetics, textile auxiliary, food, ink, paints, asphalt, fine chemicals, agricultural chemicals, and analysis in mineral exploration, environmental protection and energy resource exploration.

Technical Parameter

Model	D-500
Speed range	10000-30000rpm
Max linear velocity	22.7-36m/sec
Speed Level	6 stage
Working volume	10-40000mL
Max. viscosity	10000mPa·s
Material of dispersing shaft	SS 316L stainless steel, PTFE
Noise Level	79dB(A)
Protection class	IP20
Voltage, frequency	110-120V/60Hz, 220-240V/50-60Hz
Power	500W
Motor type	AC carbon brush motor
Dimension [WxDxH]	75x75x280mm
Permissible ambient temperature and humidity	0-40℃, 85%RH

DS-500/1
Solid and liquid dispersion Volume 10-5000mL Max. circum. Speed 22.7m/sec General purpose Emulsion granularity range 1-10μm Suspension granularity range 10-50μm
DS-500/2
Emulsion Volume 10-5000mL Max. circum. Speed 22.7m/sec General emulsion purpose Emulsion granularity range 1-10μm Suspension granularity range 10-50μm
DS-500/5
Small amounts of solid and liquid dispersion Volume 1-50mL Max. circum. Speed 5.8m/sec Compatible with 5mm stator and 3.8mm rotor Special design for 1-50mL tissue homogenization, mixing and suspension in Eppendorf tube, tube strip and centrifuge tubes for clinical and diagnostic application