



CUTTER HEAD MODEL	CONNECTION MODEL	HOST MODEL	OUTPUT POWER	PROCESSING CAPACITY RANGE ML (H2O)	APPLICABLE VISCOSITY CP	LIQUID IMMERSION HEIGHT
12G	BUCKLE			5-800	500	50
18G	BUCKLE			50-2000	2500	60
28G	BUCKLE			80-3000	5000	90
28F	SCREW	DH-F500G/F	500W	80-3000	3000	90
36G	BUCKLE			100-7000	6000	90
36F	SCREW			100-7000	3000	90
50G	SCREW			150-10000	9000	100



- ◆ The driving motor adopts a series-excited micro motor with a large output power and compact structure, designed to be safe and reliable.
- ◆ The contact parts of the working head with the material are all made of stainless steel, with good corrosion resistance.
- ◆ The working head is connected to the driving motor through a coupling, making it easy and flexible to disassemble and assemble.
- ◆ The speed regulating base adopts an infinitely variable speed controller, making it convenient to adjust the speed and ensuring stable operation.
- ◆ Snap-on and threaded cutting heads are optional, with wide applications.

Product Introduction

High-speed homogenizer / High Shear Mixer Homogenizer
 DH-F500 high-speed shearing homogenizer (also known as an electric tissue homogenizer) is suitable for mixing, emulsifying, homogenizing of liquid phases, dispersing solid powders in liquids, and crushing and homogenizing animal tissues. This machine generates a powerful hydraulic shear effect through high-speed shearing and dispersion, drawing material in from the lower end of the rotor and ejecting it through the stator. It features high rotational speed, low noise, and electronic infinitely variable speed control with a constant speed display. Its main characteristic is the specially designed dispersion plate driven at high speed by the motor, which effectively disperses and mixes liquid materials in experiments. The materials in the liquid are mutually rubbed, collided, and repeatedly run irregularly to achieve dispersion and refinement. The maximum processing capacity can reach up to 10L.

Technical Parameters

Model	DH-F500
Processing Capacity	5ml~10L (different work heads required)
Speed	2000-28000rpm
Speed Display	LCD digital display
Speed Control	Stepless speed regulation
Timing Control	6000min
Torque Display	Yes
Contact Material	SS3
Shaft Sleeve Material	PTFE
Standard Work Head Type	Shear teeth
Maximum Working Temperature	120°C
Number of Standard Work Heads	1
Allowable Ambient Temperature	5~40°C
Allowable Relative Humidity	80%
Processing Type	Batch processing
Related Accessories	Work bracket, base
Weight	About 9kg
Voltage	220V/50Hz