

High-Speed Homogenizer



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Model: D-500 (made from Wiggnes)

The D-500 High-Speed Homogenizer is an efficient and versatile tool designed for homogenizing, emulsifying, and suspending applications. Its compact design, high-speed capabilities, and ease of handling make it an excellent choice for laboratories and research facilities.

Key Features

- **Continuously Adjustable Speeds:** Ensures better control and precise results.

- **Lightweight and Compact Design:** Enhances ease of handling and operation.
- **Triple Safety Mechanism:** Includes overload protection, smooth start to prevent jerky operation, and a safety switch for user protection.
- **High-Quality Dispersing Tools:** Made from **SS 316L steel**, providing excellent corrosion resistance.
- **Quick-Change Dispersing Tools:** Reduces preparation time with a simple tool-switching mechanism.
- **Handles High Viscosities:** Capable of processing materials up to **10,000 cps** viscosity.
- **Feedback-Controlled Speed:** Maintains constant motor speed even under changing loads.
- **Cost-Effective Solution:** A high-quality laboratory dispersing unit offered at a competitive price.

Specifications

Specification	Details
Model	D-500
Speed Setting	Knob
Speed Display	Scale
Process Range (H₂O)	10~40,000 mL
Speed (Zero-Load)	10,000~30,000 rpm
Applicable Aggregates	Ø4~Ø23 mm
Viscosity Capability	Up to 10,000 cps
Noise Level	72 dB (at 30,000 rpm)
Motor Type	AC
Input / Output Power	500 W
Supply Voltage	220V / 50~60Hz
Relative Humidity (Max.)	80% RH
Operating Temperature	0~40°C
IP Code	IP20
Dimensions (Drive)	70 × 70 × 255 mm
Weight (Drive)	1.3 kg

Standard Set Package

The **recommended set** includes:

- 1. D-500 Homogenizer**
- 2. SS20CSR20 Dispersing Shaft**
- 3. WF11-D Stand for D-500 Homogenizer**
4. Positioning Ring
5. Fastening Belt

Applications

Ideal for:

- Homogenizing
- Emulsifying

- Suspending

The D-500 comes with a broad spectrum of dispersing tools to cater to various laboratory needs.