

Homogenizer



Application:

D-160 can be used in bio-pharmaceuticals, genetic research, tissue destruction, fragmentation, cytoplasmization, pathological analysis, nano-material dispersion, polymerization, ink coatings, fine chemicals, pesticides, prospecting, environmental protection, energy and other fields.

Features:

- * Lightweight design, handheld and can be operated with one hand.
- * The application of different dispersing heads is suitable for liquid samples of 0.1-250ml.
- * High-quality 316L stainless steel dispersing head, corrosion-resistant, high-temperature sterilization.
- * The dispersing head is easy to disassemble and clean; high-speed and high-efficiency motor.
- * The speed is adjustable in 10 gears, and the speed range: 8000-32000rpm.

Components of Dispersing Shaft:



Optional Accessories:

| Cat. No. | Combination Stator + Rotor | Model | Working Volume (ml) | Diameter of Stator | Diameter of Rotor | Min. / Max. Immersion Depth | Application |
|----------|----------------------------|-----------|---------------------|--------------------|-------------------|-----------------------------|--|
| 18900113 | DS-160/5 | D-160 /5 | 0.1~50 | 5mm | 3mm | 7/50mm | Small amounts of solid-liquid mixtures |
| 18900114 | DS-160/10 | D-160 /10 | 1~250 | 10mm | 6mm | 10/120mm | |

Technical Parameters:

| Model | D-160/5 | D-160/10 |
|----------------------------------|---|---|
| Item No. | 8014111000 | |
| Recommended Configuration | D160 drive, H370 Stand, DS-160/5 shaft, volumes from 0.1~50ml | D160 drive, H370 Stand, DS-160/10 shaft, volumes from 1~250ml |
| Speed Range | 8000-32000rpm | |
| Max. Circum. Speed | 6.3-14m/s | |
| Speed Control | 10 stage | |
| Working Volume(H ₂ O) | 0.1~50ml(Dispersing shaft DS-160/5) | 1~250ml(Dispersing shaft DS-160/10) |
| Max. Viscosity | 5000mPa s | |
| Material of Dispersing Shaft | SS316 & PTFE seal ring | |
| Noise | ≤72dB | |
| Ambient Temp. | 0-40℃ | |
| Relative Humidity | 85%RH | |
| Protection Type | IP20 | |
| Consumption | 160W | |
| Motor Type | AC carbon brush motor | |
| Power Supply | AC110/220V±10%, 50/60Hz(Customizable) | |
| Standard Accessory | Base stand+DS-160/5 dispersing shaft | Base stand+DS-160/10 dispersing shaft |
| External Size(W*D*H) | 45*55*190mm | |
| Package Size (W*D*H) | 470*240*250mm | |
| Gross Weight | 4kg | |