



Model	Reference capacity for crushing
Φ2mm	0.1~5ml
Φ3mm	3~10ml
Φ6mm	10~100ml
Φ10mm	30~300ml

Model	Reference capacity for crushing
Φ12mm	50~500ml
Φ15mm	200~700ml
Φ20mm	2000~1000ml
Φ25mm	500~1500ml

* The actual processing capacity is related to the sample capacity ratio, concentration, temperature, state, etc. Please refer to the actual test.

- ◆ 7-inch touchscreen display with intuitive parameters and touch-screen operation
- ◆ Ultrasonic power simulation data waveform/ultrasonic time pulse width data waveform display function
- ◆ Rich functions: cell crushing, homogenization, separation, extraction, defoam, cleaning and accelerating chemical reactions
- ◆ Alarm function: time, overload, idle, overtemperature
- ◆ Customizable settings for ultrasonic time, interval time, total time, power ratio
- ◆ Easy to operate: central microcomputer control, optimized interaction experience
- ◆ Low noise: with soundproof box to eliminate noise
- ◆ Long-lasting operation: supports continuous work for more than 1 hour



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Product Introduction

Smart ultrasonic disintegrator/tissue homogenizer

- Uses high-intensity ultrasound to create cavitation effects in liquid to ultrasonically treat materials
- Can be used to break down a variety of animal and plant cells, virus cells
- Can be used for emulsification, separation, homogenization, extraction, defoam, digestion, cleaning, accelerating chemical reactions, graphene peeling, and dispersion of nanomaterials
- Widely used in biochemistry, microbiology, pharmaceutical chemistry, surface chemistry, physics, and zoology

Model	DH92-IIIDE	DH98-IIIE	DH98-IIIDE	DH99-IIIDE
Ultrasonic Frequency (KHz)	20~25 (Automatically Tracked)		19.5~20.5 (Automatically Tracked)	
Ultrasonic Power (Adjustable)	650W	1000W	1200W	1800W
Duty Cycle	1~99%			
Standard ultrasonic top	Φ6mm	Φ6mm	Φ20mm	Φ22mm
Optional ultrasonic top	Φ2/3/10/12	Φ2/3/10/12/15	Φ3/6/10/15/22/25	Φ3/6/10/15 /20/25/28
Disruption Capacity (ml)*	0.1~500	1~750	1~1200	1~1500
Single Ultrasonic Time	0.1~99.9 seconds			
Single Gap Time	0.1~99.9 seconds			
Total Time	1~99 hours, 59 minutes, 59 seconds			
Temperature Control Function*	Available (Automatically Pauses Ultrasonic Operation upon Reaching Preset Temperature)			
Optional Functions	Computer Communication + Remote Control + User Password Protection + Data Printing + Automatic Lifting Soundproof Box + Lighting or Sterilization			
Data Storage	20 sets			
Product Weight	16.5 kg	17 kg	19 kg	20 kg
Dimensions	Main Unit 410*225*290mm, Small Soundproof Box 470*305*430mm			
Input Power	220/110V 50/60Hz			

*Note:
For processing samples of different capacities, the corresponding amplitude bar needs to be selected; with higher power, thicker amplitude bars can be driven, corresponding to a larger processing capacity. If temperature control of samples is required, optional accessories include low-temperature constant temperature equipment, constant temperature cups, etc.