



E-Chrom Tech Co., Ltd.

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B02- Ultrasonic Cleaner

Descriptions

Working Theory

Ultrasonic cleaner sends out high frequency shaking signal, which is converted into high frequency mechanical shaking, spreads in the solvent and produces thousands of tiny bubbles. These bubbles are formed and developed in the negative pressure area in the transferring process. Later, they are immediately closed in the positive pressure area. Instantaneous high pressure of more than 1000p is then produced and this process is called vacuum effect. It is just like a series of explosions which constantly heat the surface of the subject and reach the purpose of complete cleaning.

Incredible Cleaning Effect

Because of its special design, this instrument has improved both dissolution and emulsifications in solution. Besides, this ultrasonic cleaner has great degassing effect without causing pollution to environment; therefore it has been widely used in machinery, electronics, medical, chemical tests and other industries.

Applications

This ultrasonic cleaner series are an ideal instrument used in professional fields such as electronic apparatus, semiconductor chips, circuit panel, optical lens, audio magnetic recording heads, etc. It is also widely applied in biochemical, chemical, and medical fields. The power consumption of the ultrasonic cleaner ranges from 60W to 2000W, volume ranges from 3 liters to 22 liters, ultrasonic frequency varies from 40HKz, 60HKz.



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B02- UC-B(H) Series Ultrasonic Cleaner



Features

- A. Dual digital display to show actual time and set time.
- B. Power adjustment makes this instrument more available for various uses.
- C. Time adjustment for continuous or set time.
- D. Rack and noise reduction chamber attached
- E. 40KHz (B): Strong cleaning effect
60KHz (H): Low noise and high penetration

Specifications

Model	UC-3120B(H)	UC-5150B(H)	UC10200B(H)	UC-20500B(H)
Capacity (L)	3L	6L	10L	22L
Exterior Dimensions (mm) (W×L×H)	265 × 160 × 240	320 × 175 × 290	330 × 270 × 290	530 × 350 × 335
Interior Dimensions (mm) (W×L×D)	235 × 135 × 100	300 × 150 × 150	300 × 250 × 150	490 × 295 × 150
Power Consumption (W)	120/100	180/150	280/250	500/420
Power Adjustment (%)	10 ~ 100	10 ~ 100	10 ~ 100	10 ~ 100
Ultrasonic Frequency (KHz)	40(B)/60(H)	40(B)/60(H)	40(B)/60(H)	40(B)/60(H)
Degassing Adjustment	1 ~ 9	1 ~ 9	1 ~ 9	1 ~ 9
Time Set (min)	1 ~ 99	1 ~ 99	1 ~ 99	1 ~ 99
Water Outlet	No	No	Yes	Yes
Exterior Material	Aluminum	Aluminum	Aluminum	Aluminum



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B02- UC-BDT Series Ultrasonic Cleaner



Features

- A. Dual digital display to show actual time and set time
- B. Time adjustment
- C. Power adjustment
- D. Degassing adjustment
- E. Dual frequency: 40KHz and 60KHz
- F. Heating temperature control

Specifications

Model	UC-7240BDT	UC-10200BDT	UC-20500BDT
Capacity (L)	7L	10L	22L
Exterior Dimensions (mm) (W×L×H)	530 × 160 × 270	330 × 270 × 290	530 × 350 × 335
Interior Dimensions (mm) (W×L×D)	470 × 135 × 100	300 × 250 × 150	490 × 295 × 150
Power Consumption (W)	240/200	280/250	500/420
Power Adjustment (%)	30 ~ 100	30 ~ 100	30 ~ 100
Ultrasonic Frequency (KHz)	40/60	40/60	40/60
Degassing Adjustment (section)	1 ~ 9	1 ~ 9	1 ~ 9
Time Set (min.)	1 ~ 99	1 ~ 99	1 ~ 99
Heating Temperature Control	Room temperature + 5°C ~ 99°C		
Heating Power Consumption (W)	500	1000	1000
Water Outlet	Yes	Yes	Yes
Exterior Material	Stainless steel	Aluminum	Aluminum