

Ultrasonic Cleaner is based on Cavitation effect caused by high frequency ultrasonic wave vibration signal in fluid.

Microscopic bubbles are formed and they implode violently that cause Cavitation, which gives out great impact to the cleaning subject and provides an intense scrubbing action on the surface of cleaning subject. Additionally, the bubbles are small enough to penetrate even microscopic crevices, cleaning them thoroughly and consistently.

### Cleaning Applications:

Air brushes, spray guns • Archival papers • Automotive & aviation components • Calligraphic pens • Computer plotter pens • Dental and surgical instruments • Dentist burrs • Dentures • Films • Fuel injectors • Geological & metallurgical specimens • Homogenisations • Hypodermic needles • Ink jet cartridges • Jewellery • Laboratory glassware and apparatus • Laparoscopes • Lenses, other optical components • Metal/fibre filters • Metal/rubber seals • Microelectronic circuits & small components • Moulding die • Nozzles & Sieves • Printed circuit boards • Production line cleaning • Scientific & industrial instruments • Spectacle frames • Transparencies • Watches & clockwork. • Electron workshop, Glasses shop, Jewelry shop, Mobile phone, maintain shop, Hospital Dentistry, Office and household articles etc.



### AC-Analog series

Ultrasonic cleaner-set with analog timer & temperature controller, with wire basket&lid, highly effective & efficient cleaning, stainless steel, up to 80°C, 0~20min, 40kHz frequency Made of stainless steel, finished surface.

Analog controller, timer, temperature and output control

#### Features:

- Useful for Cleaning to Remove Dirt, Grease, Waxes and Oil from all Lab Instruments by Ultrasonic Frequency.
- Made of Stainless Steel, Finished Surface.
- Analog Controller, Timer, Temperature and Output Control.
- Temperature Range from Ambient to 80°C.
- Convenient Preset Function: Heating and Timer.
- HF-Frequency: 40kHz.

- Bottom-Mounted Drain (except AC-120H) • Maximum 20 minutes Set Cleaning Time • 220V, 50/60Hz.

| Model                  | AC-120H                       | AC-150H        | AC-200H        | AC-400H        |
|------------------------|-------------------------------|----------------|----------------|----------------|
| Operating Frequency    | 42Khz                         | 42Khz          | 42Khz          | 42Khz          |
| Tank capacity (liters) | 3                             | 6              | 10             | 30             |
| Internal tank size(mm) | L240xW140xH100                | L300xW155xH150 | L300xW240xH150 | L500xW300xH200 |
| External Dimension(mm) | L270xW170xH240                | L330xW180xH310 | L330xW270xH310 | L550xW330xH360 |
| Internal tank stuff    | SUS 304 #1.0t                 |                |                |                |
| External stuff         | Steel plate toast paint       |                |                |                |
| LID cover stuff        | Stainless steel SUS 304       |                |                |                |
| Timer                  | 20 min                        |                |                |                |
| Ultrasonic power       | 100W                          | 300W           | 500W           | 500W           |
| Heating Power          | 100W                          | 150W           | 200W           | 500W           |
| Net Weight             | 2.8Kg                         | 4.8Kg          | 7.3Kg          | 13.9Kg         |
| Drainage               | None                          | Have           | Have           | Have           |
| Power source           | AC100~120V/AC220~240V 50/60Hz |                |                |                |

For intensive cleaning, degassing emulsifying, deflocculation homogenization, & the acceleration of chemical processes in the research, production, and maintenance sectors.

### Principle

The clean function of ultrasonic wave is to use the waves over the frequency of human hearing conducting within the liquid. When ultrasonic waves, longitudinal waves, are conducting within the cleaner, which pushing function for the medium will enable the pressure within the liquid to change and produce mini vacuum bubbles referred as Cavitation. When gas bubbles are pressed to break, they will produce so great excitation energy as to separate the dirties stacked to the dead corner of object as well as to enhance clean effect of cleaner. With high frequency, short wave length and strong penetrating power, so that it can completely clean the article having hidden seam or complex structure.

|                                |   |
|--------------------------------|---|
| <b>Laboratories</b>            | Cleaning, degassing, homogenizing, emulsifying,                         |
| <b>Medicine</b>                | Cleaning surgical instrument, in the manufacture of implants and stants |
| <b>Dental</b>                  | Cleaning instruments for dental treatment, cleaning dental prostheses   |
| <b>Optics</b>                  | Cleaning spectacles, optical lenses before coating...                   |
| <b>Jewellery &amp; watches</b> | Cleaning chains, rings, straps...                                       |
| <b>Chemical sector</b>         | Cleaning reactors, acceleration of chemical reactions...                |
| <b>Plastics industry</b>       | Cleaning injection moulds...  |
| <b>Aircraft industry</b>       | Cleaning engine parts...  |

### CAV-METER, Cavitation Intensity Meter



Our Ultrasonic Cleaning Cavitation Intensity Meter instantly measures ultrasonic energy (cavitation) directly in ultrasonic cleaning tanks. It is used to measure ultrasonic energy simply by dipping the cavitation meter probe into an ultrasonic tank. It is very rugged and built to last a lifetime. The solid stainless steel probe can be used in any harsh chemical and extreme environments.



### DC-Power Full Series

Digital Ultrasonic Cleaner-set, with Wire Basket & Lid, Highly Effective & Efficient Cleaning, Stainless Steel, up to 70°C, 0-99min., Frequency

- Useful for Cleaning to Remove Dirt, Grease, Waxes and Oil from all Lab instruments by Ultrasonic Frequency.
- Microprocessor Control: Timer, Temperature and Output Control.
- HF-Frequency: up to 40kHz.
- Temperature Range from Ambient to 70°C.
- Convenient Preset Function: Heating and Timer.
- Bottom - Mounted Drain (Except DC-80H).
- Maximum 99 minutes Set Cleaning Time.

| Model                          | DC-80H                        | DC-150H        | DC-200H        | DC-400H        |
|--------------------------------|-------------------------------|----------------|----------------|----------------|
| <b>Operating frequency</b>     | 40 KHz                        |                |                |                |
| <b>Tank Capacity (liters)</b>  | 2                             | 7.2            | 10.8           | 30             |
| <b>Internal tank size (mm)</b> | L150xW135xH100                | L300xW160xH150 | L300xW240xH150 | L500xW300xH200 |
| <b>External dimension (mm)</b> | L175xW160xH270                | L330xW205xH330 | L330xW285xH330 | L530xW345xH380 |
| <b>Internal tank stuff</b>     | SUS 304 #1.0t                 |                |                |                |
| <b>External stuff</b>          | Steel plate toast paint       |                |                |                |
| <b>LID cover stuff</b>         | Stainless steel SUS 304       |                |                |                |
| <b>Timer</b>                   | 30 min                        | 99 min         |                |                |
| <b>Ultrasonic power</b>        | 80W                           | 150W           | 200W           | 400W, 600W     |
| <b>Heating Power</b>           | 40W                           | 200W           | 200W           | 500W           |
| <b>Net weight</b>              | 3.5kg                         | 8kg            | 9.5kg, 10.5kg  | 18.5kg, 19.5kg |
| <b>Drainage</b>                | -                             | Have           |                |                |
| <b>Power source</b>            | AC100~120V/AC220~240V 50/60Hz |                |                |                |

### DG-600, Personal Ultrasonic Cleaner (without heating)



| Model                   | DG-600                    |
|-------------------------|---------------------------|
| Operating frequency     | 43 KHz                    |
| Tank Capacity           | 600 ml                    |
| Internal tank size (mm) | L170xW90xH55              |
| External dimen. (mm)    | L193xW113xH110            |
| Internal tank stuff     | SUS304 # 0.7t             |
| External stuff          | ABS with fireproof        |
| Dust cover stuff        | Semi transparent plastic  |
| Timer                   | 5 min                     |
| Ultrasonic power        | 50W                       |
| Heateing Power          | Without                   |
| Net weight              | 1 kg                      |
| Power source            | AC100~120V/AC220V 50/60Hz |

### DG-1300, Personal Ultrasonic Cleaner (with heating)



| Model                   | DG-1300                                  |
|-------------------------|--|
| Operating frequency     | 42 KHz                                   |
| Tank Capacity           | 1,300 ml                                 |
| Internal tank size (mm) | L175xW145xH70                            |
| External dimen. (mm)    | L228xW183xH158                           |
| Internal tank stuff     | Stainless steel SUS304                   |
| External stuff          | ABS with fireproof                       |
| Dust cover stuff        | Semi transparent plastic                 |
| Time Control            | 5 Cycles with Digital time display       |
| Ultrasonic power        | 60W                                      |
| Heateing Power          | 60°C                                     |
| Net weight              | 1.75 kg                                  |
| Power source            | AC 110-120V 60Hz<br>AC 220-240V 50/60 Hz |

#### Features:

- High-power ultrasonic transducer for superior cleaning effect.
- Large capacity tank for professional cleaning.
- Add heating for special cleaning demands.
- 3-59 minutes adjustable with digital display.
- 5 Cycles adjustable with digital display.
- Memory function for the power failure.
- Transparent lid with blue light for view the cleaning process.
- With radiator for longer working time.
- Secure circuitry design with moisture-proof PCBA.

Electron workshop, Glasses shop, Jewelry shop, Mobile phone, maintain shop, Hospital Dentistry, Office and household articles etc.

### CLEAN-01, 4.5liter Ultrasonic Cleaner (Dental)



- Cycle time set: 2-30 minutes.
- Temp set: 20-80°C.
- Safety feature: Heating stops when tank is empty.
- Water outlet is installed to drain liquid from the tank easily.
- Low noise fits clinical environment.
- Cleaning basket holds delicate instruments in place.
- Keypads & digital display are user friendly.
- Rinse time can be set from 2 to 30 min, rinse temperature can also be set. Power is automatically cut off when is lack of water.
- External drainage system makes easy change of rinse liquid; Low noise design makes quiet operation.
- Specialized basket is designed for delicate minute devices that should be free from friction and braise, for example, high-speed and low-speed hand piece turbines
- Clear operation plate with digital display makes it easy to operate.