

# ULTRASONIC BATH (SONICATORS) WITH CHILLERS

## Ultrasonic Bath with cooling facility specially for Pharma Application



Bench Top Model

### Application of Ultrasonic Bath in Laboratory

- Laboratory : For Glassware, Filters Cleaning & HPLC Mobile Phase Degassing and homogenization.
- Industrial : Semi-Conductors, Electronic Components, Precious Parts & Mechanism.
- Medical : Dental & Surgical Instruments.
- Opticals : Spectacles, Spectacle Frames, Lenses
- Jewellery : For all kinds of Jewellery, Precious stones etc.
- To remove : Dust, Oil, Greases, Compounds, Waxes, Swarf, Stains, Soils & any other contaminant.

### Specification of Water Chiller

It consist of chiller unit connected to S.S Water Storage Tank of about 15 liters capacity to reduce the water temperature to about 10° C. It has an inbuilt pump & Re-Circular unit to circulate chilled water through the S.S cooling coils and bring back to chiller unit.

### Salient Features

- Easy to operate & made of S.S tank.
- Indigenously manufactured with advanced MOSFET technology, with auto-tuning facility.
- Digital tuning of transducers with generators to avoid any frequency shifted even during demanding applications.
- Compact, Rugged & Highly durable systems.
- Extensively protected electronic circuits means longer & safer operations.



Floor Model with Castor Wheels

### Technical Specification

- Electric Supply : 230V AC, 50 Hz 1 Phase
- Tank Material : S.S 304 Grade Inner & Outer
- Construction : Ultrasonic Generator & S.S Transducer. Tank is housed in one S.S 304 grade cabinet.
- Transducer : PZT sandwich type bonded on the base of S.S Tank. With transducer are protection for chilled water condensation.
- Cooling Coils : SS coil of 1/2" dia are fitted in the SS tank to cool the liquid inside the tank, through which chilled water is circulated. Water in & out connection are provided for the coils.
- Special tray to collect & drain water of condensation (chilled water)
- Capacity Available : 10 ltr, 20 ltr, 30 ltr & higher as requirement
- Digital Time : Two digit, 0-30 min. timer.

### Various Ultrasonic Bath Models

USB Volume	Model without Heater	Model with Heater	Model with DTC	Model with Chiller
USB-10 ltr.	USB-10L	USB-10 L/H	USB-10 L/DTC	USB-10 C
USB-20 ltr.	USB-20L	USB-20 L/H	USB-20 L/DTC	USB-20 C
USB-30 ltr.	USB-30L	USB-30 L/H	USB-30 L/DTC	USB-30 C
USB-40 ltr.	USB-40L	USB-40 L/H	USB-40 L/DTC	USB-40 C
USB-50 ltr.	USB-50L	USB-50 L/H	USB-50 L/DTC	USB-50 C