

ULTRASONIC BATH (SONICATORS) WITH CHILLERS

Ultrasonic Bath with cooling facility specially for Pharma Application



Bench Top Model

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

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.

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