

## ULTRASONIC CHILLER WITH SONICATOR BATH



### CHILLER SONICATOR BATH :

**System:** The total system consists of 2 parts.

- A) Ultrasonic Chamber.
- B) Cooling System consisting of cooling coils, condenser & compressor of suitable capacity. This helps in maintaining the required temperature.

### SALIENT FEATURES :

- Imported PZT Sandwich type bonded at the bottom of the tank.
- High Frequency Built in MOSFET based SMPS
- Timer 0 to 99 minute's Digital count down with display.
- Auto degassing present 5 minutes for ultrasonic tank
- Pulse Sweep Power for Uniform distribution of Ultrasonic energy for ultrasonic tank.
- Easy to operate and made up of SS 304 (16 SWG) Fabricated tank.
- Extensive protected generator circuits for longer & safer operation.
- **SS 304 Adjustable Basket provided.** : - Drain with Ball valve will be provided.
- **SS 304 LID provided.** : - Complete Instruction Manual for easy operation will be provided.

## SPECIFICATIONS :

Tank Capacity	10 L	20 L	30 L
Model	Table Top	Table Top	Table Top
Tank Size	12" x 10" x 6"	18" x 12" x 6"	14" x 14" x 10"
Basket Size	11" x 9" x 5"	17" x 11" x 5"	12" x 12" x 8"
Inner Body Material	SS 304 (16 SWG thickness) with rounded corners & mirror finish		
Outer Body Material	SS 304 (18 SWG thickness with matt finish)		
Total Solvent Capacity	10 ltrs		
Electric Supply	230 V AC, 50Hz, Single phase		
Power Output (Ultrasonic)	250 watt	400 watt	500 watt
Timer	0-99 min with Digital Display of set & actual.		
Temperature Controller	Digital temperature controller with setting range 10°C to temperature Max 30 °C. Display Resolution : 1.0 °C		
Cooling System	Hermatically sealed Compressor, CFC free Reigrigerant		
Auto Degassing	Preset for 5 Min.		
PSP	Pulse sweep power for uniform distribution of U/S energy		
Frequency	30 KHz $\pm$ 3 KHz		
Transducers	Imported make PZT type bonded at the Bottom Side of the tank with weld bond technique		
Ultrasonic Generator	Advanced latest IGBT based SMPS		
Drain	½ " Drain with Ball valve will be provided.		
Legs	Rubber Bush	Rubber Bush	Castor Wheels
Bath Liquid	Water / Solvent		
STD Accessories	SSS304 basket, Mains cable, Ss304 Lid		

## ORDERING INFORMATION :

CAT. NO.	TANK CAPACITY LTR	TANK SIZE (L X w X H)	OVERALL DIMENSIONS (L X W X H)	ULTRASONIC POWER (WATTS)
UCSB - 0010	10	12" X 10" X 6"	18" X 18" X 20"	250
UCSB - 0020	20	18" X 12" X 6"	24" X 20" X 20"	400
UCSB - 0030	30	14" X 14" X 10"	22" X 22" X 36"	500

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