



Spire Automation & Innovation, India.

Inspiring Generations...

ULTRASONIC CLEANER WITH COOLING FACILITY

The ultrasonic energy is produced by converting electrical energy into mechanical vibrations by using generator and piezo electric transducer. Due to mechanical vibrations in cleaning liquid this Phenomenon is called cavitation. In a very short time it removes all dirt & foreign bodies from components which are immersed in the cleaning liquid. Chiller unit when set to a desired temperature from ambient to 5°C can keep the sample cool. Ultrasonic Generator will generate heat during the process of cleaning. To control the heat a Chiller System is provided. The chiller provided in the Ultrasonic Cleaner regulates the temperature and reduces the evaporation of the costly solvent.

SAILENT FEATURES

- Inner, outer chamber made of SS
- Top lid made of SS
- Dissolve, disperse and emulsify samples
- Digital temp controller
- Temp display resolution 1°C
- CFC free refrigeration system
- Degassing the sample solution
- SS basket
- Uniform cavitation through out the tank
- 33 KHz frequency for effective cleaning
- Low noise Ultrasonic machines
- Drain valve for removal of solvent from tank.
- Machine works on 230 V AC, 50 Hz



SPECIFICATIONS

Model	SAII-US-6C	SAII-US-10C	SAII-US-20C	SAII-US-30C	SAII-US-50C
Tank volume (Litres)	6	10	20	30	50
Ultrasonic wattage (W)	150	250	350	500	700
Ultrasonic frequency	33 ± 3 KHz				
Tank dimension (LxWxH mm)	300x 155x 150	300x240x150	400x300x200	400x 400x200	400x 400 x300
Outer dimension	350x 205x 450	350x 300x 450	450x 350x 500	450x 450 x 500	450x 450x 600
Temperature & Accuracy	Ambient to 5°C having ±1°C accuracy				
Digital Timer	1 to 99 mins				

Optional:

- Ultrasonic wattage control by means of a regulator knob from 40% to 100%

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