

Automatic Ultra Sonic Homogenizer

LUSL-A10



Automatic Ultra Sonic Homogenizer LUSL-A10 is a floor type homogenizer with titanium alloy horn, two layered tank, 370 W vacuum pump. Equipped with flowmeter to measure liquid volume. Cooling water control system helps in maintaining temperature during sonication.

With accelerated solvent penetration in presence of active ingredients/materials, it is used in Nano material preparation, cell disruption and lysis, emulsification and homogenization.

Features:

- Reduced installation, operation and maintenance cost
- Acrylic glass observation window
- LCD Display shows ultrasonic generator values
- LED display shows temperature values
- Tank, pipeline, valve made using SS 304
- Start (Ultrasonic, Pump, Cooling system), Power On/Off knobs at Top for ease
- 1 m³/ h maximum flow rate of vacuum pump
- Alarm for ultrasonic system, displayed on LCD screen
- Alarms when temperature is out of control
- Different types (diameter) horn as per the requirements
- CE certified

Applications:

Used for industrial as well as laboratory applications across Nanotechnology, Chemistry, Pharmaceutical, Biotechnology, Tissue culture industries for Nano-material preparation, cell disruption, and emulsification purpose.

Specification:

Model no.	LUSL-A10
Frequency	20 kHz
Effective volume	10 L
Maximum Power	1 kW
Liquid flow rate	25 to 250 l/h
pH range	4 to 11 pH
Maximum viscosity	≤ 8 l/ min
Dispersion particle diameter	≥ 0.6 μm
Applicable media	Volatile or non-volatile
Material	Horn titanium+ stainless steel mechanical part+ Visual cabinet glass
Temperature control	Controllable
Cooling system	Water cooled reactor + thermostat
Rated current	10 A
Working amplitude	50 μm
Adjustable amplitude range	50 to 100 %
Power supply	220/ 240/ 380 V, 50/ 60 Hz
Dimension	1200 × 1000 × 800 mm
Net weight	160 kg
Gross weight	200 kg
HS Code	8479820090