COMECTA Ultrasonic Homogenizer "CY - 600"

AGITATION BY INTENSE CAVITATION
FOR VOLUMES FROM 0.5 TO 500ML

NEW



APPLICATIONS

Biology, chemistry, environment, general analysis laboratory.
It allows disintegration of cells and biological tissue, DNA protein extraction, ether hyrolysis RNA, reactions output acceleration and increase, earth and sediments treatment according to EPA SW methods which simplifies the Soxhet method in time, quality control, R&D, samble gas remove, dissolution and homogenization, emulsion, dispersion, liposomes formation, proteins microencapsulation, etc.

OPERATION

The ultrasonic generator transforms the electric current from 220V 50Hz into ultrasonic energy of 25 KHz, to feed the ultrasonic transducers. The transducer produces an elastic distortion by following the alternate voltage, which traduces in a longitudinal mechanical vibration that produces a cavitation effect in the titanium alloy probe submerged in the solution. This generates a multitude of micro bubbles which eleases a considerable energy in the probe end that allow a sample intense shaking and vibration.

With new software, centralized control by central microcomputer.
It adopts a 7-inch TFT touch screen.
Ultrasonic power with 1% to 99% stepless adjustment.
Pulsed and continuous operation and test function.
Ultrasonic time, interval time and total time can be accurate up top 0.1 seconds.
Motorized lift fo ther sample cup

CARACTERÍSTICAS

Frequency: 20-25KHz
Screen: 7" TFT touch screen
Adjustable Power Range: 650W (1%-99%)
Optional Probes: 1/12", 1/8", 1/2", and 5/8"
Processing Volume: 0.5-500ml
Cycle Ratio: 1-99%
Temperature Alarm: Yes Alarms: Time, overload
Power Supply: 220/110V 50Hz/60Hz
Control Chassis Dimensions: 430 X 255 X 300mm
Weight (Main Unit and Transducer): 14Kg
Silencer Dimensions: 345 X 340 X 570mm
Motorized lift for the sample beakerNew software, centrally controlled by a central microcomputer.

INCLUDED ACCESSORIES

Noise cancellation box
Pipe clamp
Key
Fuse
Plug cable
Cross clamp
Ultrasonic Oscillation System
Included: 1/4" probe and temperature probe

Code	Model
5059610	"CY-600"

ACCESSORIES

Compatible sonicator probes for both models

5059611 1/12" Probe Frequency: 20-25KHz, Amplitude: 300um, Power Range: 20-250W, Processing Volume: 0.5-5ml

5059612 1/8" Probe Frequency: 20-25KHz, Amplitude: 250um, Power Range: 30-400W, Processing Volume: 3-10ml

5059615 1/4" Probe Frequency: 20-25KHz, Power Range: 60-650W, Processing Volume: 10-100ml

5059613 Probe 1/2" Frequency: 20-25KHz, Amplitude: 150um, Power Range: 100-650W, Processing Volume: 100-200ml

5059614 Probe 5/8" Frequency: 20-25KHz/19.5-20.5KHz, Amplitude: 145um, Power Range: 200-650W, Processing Volume: 200-500mll



5/8" 1/2" Included 1/4" 1/8" 1/12"