



Ultrasonic Cleaner Ultrasonic Shaker



Ultrasonic Cleaner

Ultrasonic Cleaning Technology

The cavitation phenomenon consists of formation and growth of millions of microscopic bubbles under a low-pressure stage, produced into the ultrasonic bath due to a high power transducer 37kHz. These bubbles break in all directions and attack every surface in contact with water, erasing dirt, impurities and pollutants when in contact with materials or pieces in the bath. This phenomenon allows cleaning all kinds of materials and products without the need of disassembling, due to all the surfaces being in contact with the liquid. The heating will accelerate this clearing process.

Eco Series

- > Wide range of available capacities from 3L up to 22L
- > Inner and outer parts made of stainless steel
- > Comes with a tray to conveniently place objects to be cleaned
- > Features a digital timer with up to 99 min

Pro Series

- > Entails all advantages of the Eco series
- > LCD touch screen for simple and intuitive operation
- > Features a digital timer with up to 199 min
- > Heating ability between 20°C and 80°C
- > Comes with a tray and a lid
- > Stainless steel 304 tank and powder coated stainless steel, meet the requirements of antiseptic and hygienic lab environment
- > Independent degas function
- > Automatically save last parameters and recall when the unit is turned back on
- > Non-slip feet and flexible surface contact for lower ultrasonic vibration
- > Safety handles make the unit portable
- > Maintain ultrasonic efficiency at different temperatures
- > Frequency overload and thermal protection

Application

- > Laboratories: laboratory material, precision instruments, pipettes, sieves, etc.
- > Medicine: instrumentation in general, surgical material, etc.
- > Odontology: dental prosthesis, instrumentation, etc.
- > Optics: instrumentation, opticals, frames, etc.
- > Industry: printed circuits, electronic components, etc.
- > Jewellery: watches, jewels, etc.
- > Automation: Injector clearing.
- > Degasification or liquid dissolution
- > Compact substances disgregation



Specifications

Order No.	Model	Capacity L	Internal Size (LxWxH) mm	Overall Size (LxWxH) mm	Working Power W	Heater Power W	Temp. °C	Frequency Khz	Timer min	Drainage outlet
Eco Series										
W3080303	UE03	3	240×140×100	270×160×240	90	--	--	40	1~99min	Without
W3080306	UE06	6	300×150×150	330×180×290	160	--	--	40	1~99min	With
W3080310	UE10	10	300×240×150	360×270×310	250	--	--	40	1~99min	With
W3080315	UE15	15	330×300×150	390×330×310	350	--	--	40	1~99min	With
W3080322	UE22	22	500×300×150	570×330×330	500	--	--	40	1~99min	With
Pro Series										
W3080403	UA03	3	240×137×103	301×163×342	100	88	20~80	37	1~199min	Without
W3080406	UA06	6	300×153×150	362×180×305	150	170	20~80	37	1~199min	With
W3080410	UA10	10	300×240×150	383×267×305	200	270	20~80	37	1~199min	With
W3080415	UA15	15	330×300×150	390×330×310	350	420	20~80	37	1~199min	With
W3080422	UA22	22	500×300×150	584×327×327	400	550	20~80	37	1~199min	With

Ultrasonic Shaker

Ultrasonic bath with shaking device for sample preparation

Wiggins ultrasonic shaker combines the function of ultrasonic cleaner and shaking water bath. Both procedures can be carried out simultaneously or separately. This means that a sample can be pre-homogenized at a specified shaking frequency, and then final homogenization can be achieved in a very short time using ultrasound.

- > Shaking standard 20 mm , 30mm and 40mm are optional
- > Rack is easy to remove
- > With drainage outlet
- > With bath lid to reduce noise and prevent liquid losses due to evaporation

Max. Load of flasks

- > 6 X 250mL
- > 6 X 300mL
- > 2 X 500mL
- > 2 X 1L
- > 1 X 2L



Application

Biochemical research, material testing, enzyme and tissue studies, homogenization, routine laboratory tasks, corrosion tests, fermentation, incubation, blood plasma thawing, temperature tests of food and beverages

Specifications

Order No.	Model	Temp.	Frequency	Working Power	Heater Power	Timer	Drainage outlet	Capacity	Shaking stroke
		°C	Khz	W	W	min		L	mm
W30380122	WUS22	20-80	37	Max.400 (40-100% adjustable)	550	1~199min	With	20	20 (30 / 40)

Accessories for Ultrasonic Cleaner

Some accessories are very suitable for the Ultrasonic Cleaner, protecting the tank body, and some small parts need special containers to ensure to be placed at the bottom of the tank.



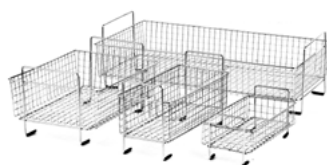
Lid for reducing the noise

Order No.	Name	Suitable for Volume
U10003	SS Lid	3L
U10006	SS Lid	6L
U10010	SS Lid	10L
U10015	SS Lid	15L
U10022	SS Lid	22L



Tray

Order No.	Name	Suitable for Volume
U10203	Tray	3L
U10206	Tray	6L
U10210	Tray	10L
U10215	Tray	15L
U10222	Tray	22L



SS Insert basket

Order No.	Name	Suitable for Volume
U10103	Insert basket	3L
U10106	Insert basket	6L
U10110	Insert basket	10L
U10115	Insert basket	15L
U10122	Insert basket	22L



Positioning lid

Order No.	Name	Suitable for Volume
U10403	Lid	3L
U10406	Lid	6L
U10410	Lid	10L
U10415	Lid	15L
U10422	Lid	22L

Test tube holder / Drain pipe

Order No.	Description
U10503	Test tube holder, suitable for 3~22L Ultrasonic Cleaner
U10606	Drain pipe, suitable for 3~22L Ultrasonic Cleaner



Stabilizing rings for Erlenmeyer

- > - PVC covered steel
- > - suitable for Erlenmeyers, flasks, etc.
- > Application: The weight of the ring prevents flasks from floating when placed in a thermal bath.



Order No.	Model	Colour	Size (OD) x (ID)	Weight
5660	Type S	Red	Ø 70×Ø 27 mm	0.3 kg
5661	Type M	Yellow	Ø 105×Ø 52 mm	0.5 kg
5662	Type L	Blue	Ø 140×Ø 76 mm	1.2 kg