



# Ultrasonic Cleaning Baths “Ultrasons”, “Ultrasons UB-1488”, “Ultrasons-H”, “Ultrasons-HD” and “Ultrasons-P”

## FUNDAMENTAL THEORY

The principal of ultrasonic cleaning consists of the use of high frequency sound waves (40 kHz), produced by a generator through a transducer, which propagates them mechanically inside the tank, this produces a cavitation effect which leads to the formation of millions of low pressure microscopical bubbles which carry out molecular cleaning, eliminating impurities, polluting agents and dirt from the parts or material which must be cleaned.

Complex parts can be cleaned without disassembly since the cavitation penetrates wherever the cleaning solution is in contact with the surface.

The generator of these baths is completely transistorised and incorporated, working through the “Sweeping frequency” system, which ensures uniform cavitation at all points of the resonance tank.

## COMMON FEATURES

Double bodied tank, made entirely of stainless steel.

Emptying drain, anti-parasite filter, adjustable timer and heating, model dependent.

## APPLICATIONS

**Laboratories in general:** acceleration of chemical reactions, degassing of liquids, cell disruption, cleaning of sieves, pipettes, micro-pipettes, cuvettes, trays, viscometers, decomposition of radioactive substances, etc.

**Dentistry:** Cleaning of prosthesis, instruments, etc.

**Optics:** Cleaning of frames, lenses, and contact lenses, etc.

## SUMMARY TABLE

**Medicine:** Cleaning of instruments in general, forceps, probes, scalpels etc.

**Jewellery and Watch making:** Cleaning of all kind of watches and jewels.

**Industry:** Cleaning of all electronic components, printed circuit boards, semiconductors, petrol injector sieves and filters, etc.





# Ultrasonic cleaning baths "Ultrasons" without heating

3 Part No. 3000513 Cap. 6L



1 Part No. 3000512, Cap. 1L

4 Part No. 3000617 Cap. 9L



2 Part No. 3000683 Cap. 2,6 L

8 Part No. 3001208 Cap. 4L



5 Part No. 3000837 Cap. 6,5L  
(suitable for sieves and filters etc.)

7 Part No. 3000515 Cap. 20L



6 Part No. 3000514  
Cap. 9L

## CONTROL PANEL

Timer switch for 0 -15 minutes or continuous operation. Indicator lamp when the unit is in operation.

## MODELS

Part No.	Capacity litres	Height / Width / Depth (usable) cm	Height / Width / Depth (exterior) cm	Generator power W	Timer 0-15'	Waste drain	Weight Kg
3000512	1	6 14 14	20 20 18	50	Yes	No	2,5
3000683	2,6	9 23 13	22 29 19	100	Yes	No	4
3001208	4	10 30 14	24 33 18	100	Yes	Yes	7
3000513	6	15 30 14	30 36 20	150	Yes	Yes	9,5
3000837	6,5	14 24 Ø	30 27,5 Ø	150	Yes	No	8
3000617	9	15 50 14	30 56 20	200	Yes	Yes	10,7
3000514	9	15 30 23	30 36 30	200	Yes	Yes	13
3000515	20	15 50 30	30 56 36	400	Yes	Yes	22

## COMPLEMENT



### Detergent "BIO-SEL"

Bio-degradable, phosphate free. Excellent cleaning power just by mixing only 20ml per litre of water. BIO-SEL, in a 2% solution has a 9.7 pH level. Low toxicity. This detergent disperses, emulsifies, segregates, dissolves, suspends and breaks down dirtiness.

1000025 Capacity 1 litre.

1000026 Capacity 4 litres.

1000852 Box of 12 x 1 litre bottles.

1000853 Box of 4 x 4 litres bottles.

## ACCESSORIES

### Baskets and Lids.

Made of AISI 304 stainless steel.

Cleaner model Part No.	BASKET Part No.	BASKETS Height / Width / Depth (cm)	LID WITH CONCENTRIC REDUCTION RING Part No.	Number of positions	LID WITH HANDLE Part No.
3000512	6005123	5 11 11	6005122	1	6005121
3000683	6006833	7 20 12	6006832	1	6006831
3001208	6001209	7 26 13	-	-	6005131
3000513	6005133	12 26 13	6003232	2	6005131
3000837	6008373	13 23 Ø	-	-	6008371
3000617	6005144	12 46 12	6005134	3	6005124
3000514	6005143	13 29 23	6005142	2	6005141
3000515	6005153	13 49 29	6003236	6	6005151

### Baskets



Lids are not compatible with baskets.



### Lid with concentric reduction ring

