



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.

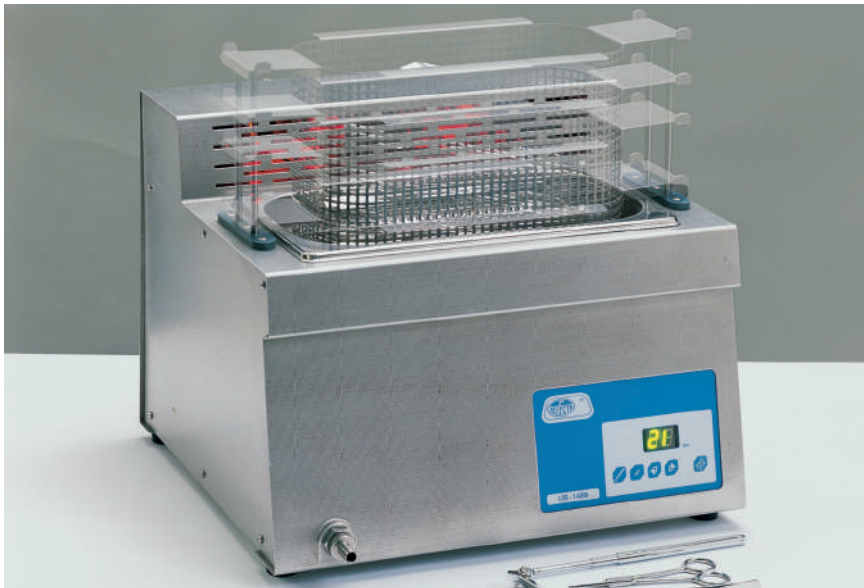
Jewellery and Watch making: Cleaning of all kind of watches and jewels.

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



Ultrasonic bath, Automatic Lift and Dry “Ultrasons-UB-1488”

Selecta original model. Quick dry, without having to control the instrument

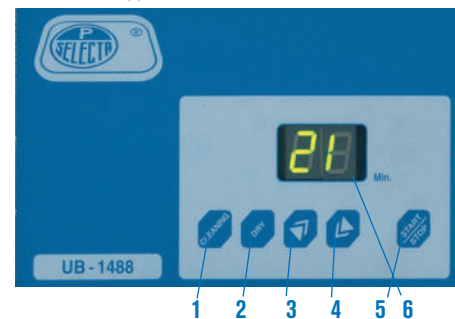


FEATURES

Bath with automatic basket elevator that operates at the end of the time cleaning cycle.

Hot air drying by two-turbine air fans that switch on at the start of the elevation and finalise the complete operation. Waste drain at the front of the instrument.

Removable support basket.



CONTROL PANEL

1. Cleaning time control: 0-15 minutes.
2. Push button drying time: 0-15 minutes.
3. Push button increase value.
4. Push button reduce value.
5. Push button stop / start.
6. Digital timer display.

MODEL

| Part No. | Capacity litres | Height / Width /Depth (usable) cm | | | Height / Width /Depth (exterior) cm | | | Generator power W | Power total W | Weight Kg |
|----------------|-----------------|-----------------------------------|-----------|-----------|-------------------------------------|-----------|-----------|-------------------|---------------|-----------|
| 3001488 | 6 | 15 | 30 | 14 | 30 | 40 | 34 | 150 | 2150 | 12 |

Comes complete with basket.



Ultrasonic cleaning baths "Ultrasons" without heating



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 | 1 | 6 14 14 | 20 20 18 | 50 | Yes | No | 2,5 |
| 3000683 2 | 2,6 | 9 23 13 | 22 29 19 | 100 | Yes | No | 4 |
| 3001208 8 | 4 | 10 30 14 | 24 33 18 | 100 | Yes | Yes | 7 |
| 3000513 3 | 6 | 15 30 14 | 30 36 20 | 150 | Yes | Yes | 9,5 |
| 3000837 5 | 6,5 | 14 24 Ø | 30 27,5 Ø | 150 | Yes | No | 8 |
| 3000617 4 | 9 | 15 50 14 | 30 56 20 | 200 | Yes | Yes | 10,7 |
| 3000514 6 | 9 | 15 30 23 | 30 36 30 | 200 | Yes | Yes | 13 |
| 3000515 7 | 20 | 15 50 30 | 30 56 36 | 400 | Yes | Yes | 22 |

COMPLEMENT



Detergent "BIO-SEL"

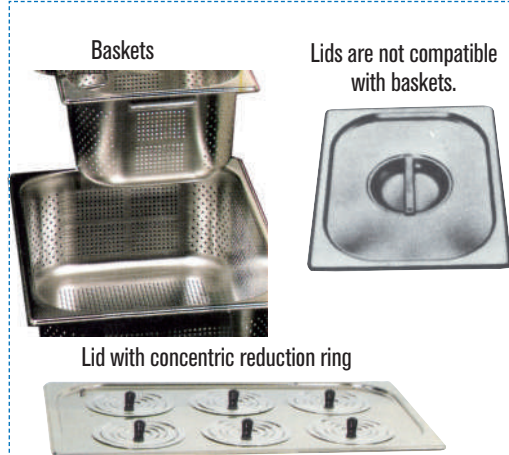
Bio-degradable, phosphate free. Excellent cleaning power just by mixing only 20ml per litre of water. BIO-SEL, in a 2% solution has a 9.7 pH level. Low toxicity. This detergent disperses, emulsifies, segregates, dissolves, suspends and breaks down dirtiness.

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 |

COMECTA Ultrasonic Bath "Ultrasons-Digit"

5 CYCLES ELECTRONIC DIGITAL TIME CONTROL
CAPACITY 1.4 LITRES

FEATURES

Internal tank made from stainless steel, with minimum and maximum level indicator.
External case, basket and lid made from PVC.
Maximum cleaning power, frequency 42 KHz

MODEL

| Part No. | Capacity litres | Height / Width / Depth (usable) cm | Height / Width / Depth (exterior) cm | Power W | Weight Kg |
|----------------|-----------------|------------------------------------|--------------------------------------|---------|-----------|
| 5900650 | 1.4 | 6 13 16 | 15 17 22 | 70 | 1.75 |

Comes complete with basket and see through transparent PVC lid.

CONTROL PANEL

Pushbutton start/ stop
Timer 5 programs selection in seconds:
90" - 180" - 280" - 380" and 480".
Wide application range from jewellery, watches, optical components. Dentistry and general laboratory use.



ivymen
OPTIC SYSTEM

Model "Elegant".



Heating cleaning bath "Ultrasons-HD"

DIGITAL ELECTRONIC REGULATION OF TEMPERATURE AND TIME
FOR TEMPERATURES FROM AMBIENT +5°C TILL 80°C

Optimum cleaning efficiency



It comes complete with a universal basket, lid with handle and drain device.

Bath Part No. 3000865 (5 Litres capacity) is also supplied with basket for small items.

FEATURES

Double body container, completely made of stainless steel and with waste drain device.

CONTROL PANEL

Illuminated main switch.

Start-stop push button.

Increase/decrease time push button in minutes (from 0' to 99').

Increase/decrease temperature push button in °C.

MODEL

| Part No. | Capacity litres | Height/Width/Depth (usable) cm | Height/Width/Depth (exterior) cm | Power Generator W | Power Heater W | Weight Kg |
|----------|-----------------|--------------------------------|----------------------------------|-------------------|----------------|-----------|
| 3000865 | 5 | 15 24 14 | 27 31 18 | 120 | 75 | 3,8 |
| 3000866 | 6 | 15 30 15 | 27 35 18 | 180 | 75 | 5,8 |
| 3000867 | 10 | 15 30 24 | 35 38 28 | 240 | 225 | 8,2 |
| 3000868 | 22 | 15 50 30 | 27 58 35 | 600 | 375 | 15 |
| 3000864 | 30 | 20 50 30 | 40 58 34 | 800 | 900 | 18 |



Heated Ultrasonic baths "Ultrasons-H"

ADJUSTABLE TEMPERATURE FROM AMBIENT +5 °C HASTA 75 °C.

APPLICATIONS

For long pieces cleaning (especially for pipettes) .



Note: For cleaning long objects whose length may exceed that of the tank, such as tubes, pipettes, etc, it has been proved that they are submitted to the same cavitation effect by introducing them in a test tube filled with liquid and placed vertically in the cleaner.

FEATURES

Evenly distributed heating element, adhered to the tank for maximum heat transfer.

CONTROL PANEL

Adjustable thermostat heater.

Heater "on" indicator lamp.

Timer switch from 0-15 minutes or continuous operation.

In operation on indicator lamp.

MODEL

| Part No. | Capacity litres | Height/Width/Depth (usable) cm | Height/Width/Depth (exterior) cm | Power Generator W | Power Heater W | Weight Kg |
|----------|-----------------|--------------------------------|----------------------------------|-------------------|----------------|-----------|
| 3000839 | 9 | 15 50 14 | 30 56 20 | 200 | 800 | 11 |

ACCESSORIES

Basket, Height 12/Width 46/Depth 12 cm. Part No **6005144**

3 Lid with concentric reduction ring. Part No **6005134**

Lid with handle. Part No **6005124**

See page: 92.



Ultrasonic pipette cleaner "Ultrasons-P"

FEATURES

Designed for automatically cleaning and rinsing pipettes, mounted inside a basket, pipettes are ultrasonically cleaned and rinsed.

Minimum rinsing time by using a water siphon action through the inside of the pipettes.

Metallic areas in contact with liquid are made of AISI 316 stainless steel.

The outer casing is made of AISI 304 stainless steel.

Cylindrical vessel in transparent acrylic, with lid to avoid splashing.

Connector(1") water inlet and siphon-drain tube.

Basket with handle in polypropylene for the easy handling and carrying of the pipettes.

CONTROL PANEL

Timer from 0-15 minutes or continuous operation.

Indicator lamp showing when the bath is in operation.

MODEL

| Part No. | Capacity litres | Ø / Height (usable) cm | Height / Width/ Depth (exterior) cm | Power W | Weight Kg |
|----------|-----------------|------------------------|-------------------------------------|---------|-----------|
| 3000910 | 10 | 15 64 | 84 34 40 | 250 | 15 |