BioSonic®
Ultrasonic Cleaning System

Ultrasonic Cleaning

- highly effective
- reaches into minute crevices
- instruments stay sharp and in shape

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BioSonic®
– an essential part of your Infection Control System

Ultrasonic cleaning is a process created by high frequency soundwaves. The soundwaves create high energy cavitation. During cavitation millions of tiny bubbles form and then implode, releasing enormous amounts of energy and shock waves. This powerful scouring action reaches into minute crevices which cannot be reached by manual scrubbing. The combination of energy and specially formulated solutions make ultrasonic cleaning the most effective method for removing gross and microscopic debris.

BioSonic® is a complete ultrasonic cleaning system which consists of three different cleaner unit sizes, a full line of cleaning solutions and unit accessories which provide you with the flexibility to efficiently clean and disinfect instruments, prostheses and other items.

BioSonic® units feature unique product design and optimize time and safety in the office or laboratory

Gentle but effective cleaning
- instruments get cleaned thoroughly
- but stay in shape and sharp even after frequent cleaning cycles

Quiet performance
- closed lid operation
- plastic housing

User safety
- built in drain with extra long drain tube for safe disposal of contaminated solutions (UC125 and UC300)
- raised ridges inside baskets for safe removal of instruments

Long lasting attractive appearance
- wear-resistant plastic housing which will not stain or dent

BioSonic® UC50DB

Technical Information

Tank capacity	3.2 liters
Fill capacity	2.0 liters
Overall Dimensions (l × w × h)	27.3 × 21.9 × 20.3 cm
Tank Dimensions (l × w × d)	19.7 × 14.6 × 10.5 cm
Output	50 watts
Operating Frequencies	53 kHz

It's a small giant!

Small on the outside, big on the inside
- The compact BioSonic® UC50DB fits any work surface but its 2 litres capacity accommodates double ended instruments or two 600 ml beakers.

Convenient Chairside Placement
- The unique design of cover and housing minimizes noise and prevents the escape of airborne contaminants enabling chairside cleaning of patients' dental appliances using the beaker option.

The FingerGuard™ plastic basket with metal bottom provides superior wave transmission and prevents dulling of instruments.

BioSonic® ST16 Dental Soaking Tray

Technical Information

Tank capacity   0.47 liters
Dimensions   6.4 × 22.9 × 12.7 cm

The BioSonic® Instrument Soaking Tray is a sure way to reduce the risks associated with instrument handling prior to sterilization. Pre-soaking dental instruments prior to ultrasonic cleaning is the clinically approved method for effective infection control, while reducing tedious hand scrubbing.

- Compact design is ideal for operatory
- Chemically resistant inner tray lifts out automatically when the lid is opened
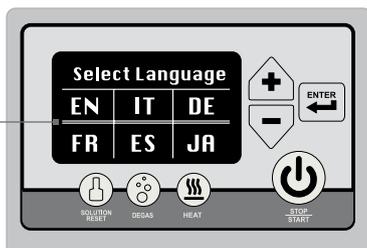- Contemporary design matches many office decors

BioSonic® UC125

Technical Information

Tank capacity	4.8 liters
Fill capacity	3.8 liters
Overall Dimensions (l × w × h)	42 × 26.7 × 35 cm
Tank Dimensions (l × w × d)	28.6 × 14.3 × 12.7 cm
Output	100 watts
Operating Frequencies	55 kHz *

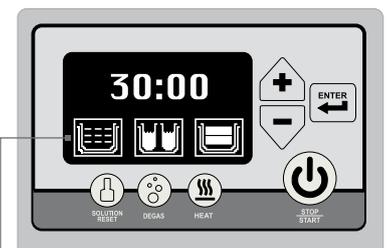*** C-Power – power is automatically adjusted in the tank based on load requirements.**

Customized operation and reliability at its best
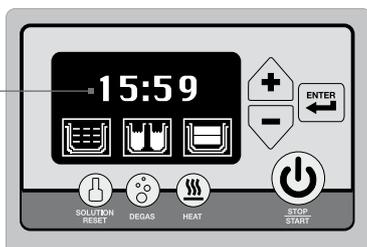
Multiple Languages
Choose one of six different languages.

Degas Button
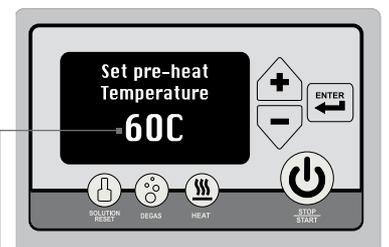Easily prepare your solution for maximum effective cleaning

Selectable Run Times
By saving run times for different tank loads it is easy to always keep to the individual cleaning procedures of your office

Countdown Timer
Know exactly when your instruments will be ready for the autoclave

Solution Tracking
See exactly how long your solution has been in use

Solution heating
Preheat your solution to desired temperature

Cross Flow Baskets
- **Enhanced Instrument Cleaning**
- **Easy Lift-out Handles**

UC151XD Full Size Basket

UC152XD Three Quarter Size Basket

BioSonic® UC300

Technical Information	
Tank capacity	14.4 liters
Fill capacity	11 liters
Overall Dimensions (l × w × h)	48.2 × 30.5 × 31.1 cm
Tank Dimensions (l × w × d)	35.6 × 22.9 × 17.1 cm
Output	300 watts
Operating Frequencies	40 kHz

A large capacity cleaner for your practice

Greater cleaning efficiency
- Large basket allows you to clean 3 to 4 times as many instruments.
- Basket dividers facilitate sorting and minimize handling of instruments.
- Easily holds larger items (e.g. film processor rollers and articulators).

Clean instruments and protheses - simultaneously
- Clean both your instruments and dental appliances - simultaneously!

Cycle large volumes of instruments
- Twin-baskets provide uninterrupted instrument processing.
- Clean two baskets of instruments as you process third basket for sterilization and fourth basket for pre-soak.

BioSonic® Solutions

The solution for your cleaning needs

MeterDose™ Bottles
– accurate solution dosage

Dispense the exact amount needed. Simply squeeze the desired amount into the MeterDose™ measuring chamber; tilt and pour.

- **No Waste**
- **No Spills**
- **No Mess**
- **Easy To Use**
- **Economical**

Solution	Contents	Concentration to be used in the ultrasonic bath/diluted yield
UC30 Super Concentrate General Purpose	473 ml	Concentration 1.6% Diluted yield 29 liters
Indication	**Items**	**Special notes**
UC30 is a non-ionic detergent and is used for general cleaning. It removes most organic soils like blood, saliva and debris.	Instruments crowns, bridges, dentures and ultrasonic scaler tips.	Use as a carrier bath in ultrasonic tank. Can also be used as instrument pre-soak and carrier bath in tank when using beakers. After cleaning thoroughly clean with tap water.

General Purpose Cleaner + Super Rust Inhibitor

Solution	Contents	Concentration to be used in the ultrasonic bath/diluted yield
UC31 General Purpose + Super Rust Inhibitor	Single Dose 20 × 15 ml	Concentration 0.4 % Diluted yield 76 liters
Indication	**Items**	**Special notes**
UC31 combines the proven cleaning action of a BioSonic® solution with corrosion protection in the ultrasonic bath. It's used for general cleaning.	Instruments crowns, bridges, burs, dentures and ultrasonic scaler tips.	Use as a carrier bath in ultrasonic tank. Can also be used as instrument pre-soak and carrier bath in tank when using beakers. After cleaning thoroughly clean with tap water.

Solution	Contents	Concentration to be used in the ultrasonic bath/diluted yield
UC32 Enzymatic Cleaner	236 ml	Concentration 0.8% Diluted yield 29 liters
Indication	**Items**	**Special notes**
UC32 combines the non-ionic detergency of the UC30 with enzymes that act to break down stubborn dirt particles. Effectively breaks down and loosens debris hardened onto instruments. Minimizes hand scrubbing.	Instruments, crowns, bridges, dentures and ultrasonic scaler tips.	Use as a carrier bath in ultrasonic tank. Can also be used as instrument pre-soak and carrier bath in tank when using beakers. After cleaning thoroughly clean with tap water.

BioSonic® Solutions
The solution for your cleaning needs

Solution	Contents	Concentration to be used in the ultrasonic bath/diluted yield
UC34 Plaster and Stone Remover	840 g	1 scoop (tbs) per 100 ml of solution. Diluted yield 11.4 liters
Indication	**Items**	**Special notes**
Concentrated powder for easy removal of plaster and stone. Built in scoop for measuring correct dosage.	Attachments, articulators, instruments, castings and items that can not be sandblasted.	Do not use with aluminium. Can also be used directly in ultrasonic tank. After cleaning thoroughly rinse with tap water. Replace after each use.

Solution	Contents	Concentration to be used in the ultrasonic bath/diluted yield
UC38 Germicidal Cleaner	236 ml	Concentration 0.8% Diluted yield 29 liters
Indication	**Items**	**Special notes**
Removes blood, debris, saliva and kills HIV virus and tuberculosis while it cleans instruments in the ultrasonic bath.	Instruments, crowns, bridges and ultrasonic scaler tips.	Do not clean dentures or plastics. Use as a carrier bath in ultrasonic tank. Can also be used as instrument pre-soak and carrier bath in tank when using beakers. After cleaning thoroughly clean with tap water.

Solution	Contents	Concentration to be used in the ultrasonic bath/diluted yield
UC39 Cement Remover	473 ml	Concentration 40.0% 32 uses
Indication	**Items**	**Special notes**
Cleaner with cement softener. Removal of temporary and permanent cements (including zinc-phosphate, polycarboxylate).	Crowns, veneers, brackets and instruments.	Do not use with aluminium. Do not use directly in ultrasonic tank. After cleaning thoroughly rinse with tap water.

BioSonic® Ultrasonic Cleaning System

Order Information

UC300

UC300	**BioSonic® Ultrasonic Cleaner**	
	Tank Cover	1 pc.
	Enzymatic Cleaner (UC 32)	1 pc.
	Owner's guide	1 pc.

Accessories for UC300

UC310	Large FingerGuard™ Instrument Basket (incl. 5 basket section inserts)	1 pc.
UC311	Twin FingerGuard™ Instrument Basket (incl. 2 basket section inserts)	1 pc.
UC322	Cassette Rack for 10 × UC70	1 pc.
UC330	2-Beaker Positioning Cover	1 pc.
UC335	Basket Section Inserts	2 pcs.
UC340	Replacement Tank Cover	1 pc.
UC350	Replacement Drain Filter	3 pcs.
UC355	Replacement Drain Tube	1 pc.

Accessories for all units

ST16	Soaking Tray	1 pc.
UCB1	Bur Block	1 pc.
UCB2	Basket for small parts	
UCB3	Bur Block + Basket for small parts	1 pc.
UC53	600 ml Beaker, Cover and Positioning Ring	1 pc.

UC125

UC125H	**BioSonic® Ultrasonic Cleaner with heating**	
	Tank Cover	1 pc.
	General Purpose + Super Rust Inhibitor (UC31)	20 × 15 ml
	Owner's guide	1 pc.
UC125	**BioSonic® Ultrasonic Cleaner without heating**	
	Tank Cover	1 pc.
	General Purpose + Super Rust Inhibitor (UC31)	20 × 15 ml
	Owner's guide	1 pc.

Accessories for UC125

UC155XD	Accessory Kit (¾ FingerGuard™ Instrument Basket for UC125, 2 Beakers, Covers, Positioning Rings and 2 One-Beaker Positioning Racks)	
UC151XD	Full Size FingerGuard™ Instrument Basket for UC125	1 pc.
UC152XD	Three-Quarter FingerGuard™ Instrument Basket for UC125	1 pc.
UC153	1 Beaker Positioning Rack	1 pc.
UC164XD	Cassette Rack for Hu-Friedy Space Saver Seven Cassettes (2 Cassettes)	1 pc.
UC156	Replacement Tank Cover	1 pc.
UC350	Replacement Drain Filter	3 pcs.
UC355	Replacement Drain Tube	1 pc.

UC50DB

UC50DB	**BioSonic® Ultrasonic Cleaner**	
	Tank Cover	1 pc.
	FingerGuard™ Instrument Basket	1 pc.
	Owner's guide	1 pc.

Accessories for UC50DB

UC59	Accessory Kit (FingerGuard™ Instrument Basket, 600 ml Beaker, Cover and Positioning Ring, 1 Beaker Positioning Rack, Basket for small parts)	
UC58	Plastic FingerGuard™ Instrument Basket	
UC54	Cassette Rack for UC70 to be used with UC50DB (holds 4 cassettes)	1 pc.
UC153	1 Beaker Positioning Rack	1 pc.

BioSonic® Cleaning Solutions

UC30	Super Concentrate General Purpose Solution in MeterDose™ Bottle	473 ml
UC31	General Purpose + Super Rust Inhibitor Single Dose	20 × 15 ml
UC32	Enzymatic Cleaner MeterDose™ Bottle	236 ml
UC34	Plaster & Stone Remover Powder Concentrate in Jar	840 g
UC38	Germicidal Cleaner MeterDose™ Bottle	236 ml
UC39	Cement Remover MeterDose™ Bottle	473 ml

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