SONOREX

High-power ultrasound for the dental branch

BANDELIN

55 years of experience in ultrasound technology

NEW

SONOREX DIGITEC
DESIGN AT ITS BEST

The new generation

- full conviniance in use and display for all types of baths
- easy to operate – self-explanatory symbols
- Well recognizable parameters, either target or actual values – brightly lighting LED-display
- 4-step-operation as „plug and clean”
- heater 20–80 °C, thermostatically adjustable, with LED-display for target value and actual value of temperature
- optical signal in case of excess temperature
- timer for countdown and continuous operation
- DEGAS: adjustable pulse sound level for removing unwanted air bubbles, visible at LCD-display
- automatic short-time ultrasound dering heating up period to avrid deference – switch-off possible
- CE marked as a medical device
- quality management system according to the requirements of EN ISO 13485/11.2000 in the production line
- protection class IP 33 at highest possible level trough liquid-tight mains cable and housing front withhout openings.
- SweepTec for permanent sound field oscillation ensures even and gentle cleaning
- utility patent DE 202 21 041.3
- automatical safety shut-down 12 hours after last keypress
- marking of filling level for safe dosage
- one-piece welded drain bow
- PZT-transducers with high efficiency

DT 102 H – the powerful 3-litres unit

- **50 % more power**
- **hard chromium plated oscillating tank**
- **3 years long-term warranty**

DT 102 H

SONOREX DIGITEC DT 102 H • with heater

Code No. 3235

Technical data

Inner tank dimensions:	240 × 140 × 100 mm (l × w × d)
Material:	stainless steel AISI 304 (1.4301), hard chromium plated
Capacity:	3,0 litres
Oscillating systems:	2 PZT-large area transducers
Ultrasonic peak power:	480 W
HF-power:	120 W_{eff}
Frequency:	35 kHz
Heater:	140 W
Exterior dimensions:	260 × 160 × 250 mm (l × w × h)
Features:	outlet with ball cock ¼", handles

DT 100 H

SONOREX DIGITEC DT 100 H • with heater

Code No. 3230

SONOREX DIGITEC DT 100 • without heater

Code No. 3210

Technical data

Inner tank dimensions:	240 × 140 × 100 mm (l × w × d)
Material:	stainless steel AISI 304 (1.4301)
Capacity:	3,0 litres
Oscillating systems:	1 PZT-large area transducer
Ultrasonic peak power:	320 W
HF-power:	80 W_{eff}
Frequency:	35 kHz
Heater:	DT 100 H - 140 W
Exterior dimensions:	260 × 160 × 250 mm (l × w × h)

Ultrasonics baths
for dental practice and laboratory

DT 31 H

SONOREX DIGITEC DT 31 H • with heater
Code No. 3220

SONOREX DIGITEC DT 31 • without heater
Code No. 3200

Technical data

Inner tank dimensions:	190 × 85 × 60 mm (l × w × d)
Material:	stainless steel AISI 304 (1.4301)
Capacity:	0,9 litres
Oscillating systems:	1 PZT-large area transducer
Ultrasonic peak power:	240 W
HF-power:	30 W_{eff}
Heater:	DT 31 H - 70 W
Exterior dimensions:	205 × 100 × 170 mm (l × w × h)

DT 52 H

SONOREX DIGITEC DT 52 H • with heater
Code No. 3225

SONOREX DIGITEC DT 52 • without heater
Code No. 3205

Technical data

Inner tank dimensions:	150 × 140 × 100 mm (l × w × d)
Material:	stainless steel AISI 304 (1.4301)
Capacity:	1,8 litres
Oscillating systems:	1 PZT-large area transducer
Ultrasonic peak power:	240 W
HF-power:	60 W_{eff}
Heater:	DT 52 H - 140 W
Exterior dimensions:	175 × 165 × 230 mm (l × w × h)

DT 255 H

SONOREX DIGITEC DT 255 H • with heater
Code No. 3240

SONOREX DIGITEC DT 255 • without heater
Code No. 3215

Technical data

Inner tank dimensions:	300 × 150 × 150 mm (l × w × d)
Material:	stainless steel AISI 304 (1.4301)
Capacity:	5,5 litres
Oscillating systems:	2 PZT-large area transducers
Ultrasonic peak power:	640 W
HF-power:	160 W_{eff}
Frequency:	35 kHz
Heater:	DT 255 H - 280 W
Exterior dimensions:	325 × 175 × 295 mm (l × w × h)
Features:	outlet with ball cock ¼", handles

SONOREX SUPER
for universal use in practice

THE CLASSICS - stick to the proven

- ❑ fast and safe operation through turning knobs
- ❑ timer 1–15 min and continuous operation
- ❑ heater 30–80 °C, thermostatically adjustable, RK 31 – 65 °C fixed – control light for heating-up
- ❑ housing stainless steel, drip-proof
- ❑ CE marked as a medical device
- ❑ quality management system according to the requirements of EN ISO 13485/11.2000 in the production line
- ❑ PZT-transducers with high efficiency
- ❑ marking of filling level for safe dosage
- ❑ one-piece welded outlet

RK 102 H - the best selling 3-litres unit

- **50 % more power**
- **hard chromium plated oscillating tank**
- **3 years long-term warranty**

RK 102 H

SONOREX SUPER RK 102 H • with heater

Code No. 303

Technical data

Inner tank dimensions:	240 × 140 × 100 mm (l × w × d)
Material:	stainless steel AISI 304 (1.4301), hard chromium plated
Capacity:	3,0 litres
Oscillating systems:	2 PZT-large area transducers
Ultrasonic peak power:	480 W
HF-power:	120 W_{eff}
Frequency:	35 kHz
Heater:	140 W
Exterior dimensions:	260 × 160 × 250 mm (l × w × h)
Features:	outlet with ball cock ¼", handles

RK 100 H

Standard baths in common design

SONOREX SUPER RK 100 H • with heater

Code No. 312

SONOREX SUPER RK 100 • without heater

Code No. 301

Technical data

Inner tank dimensions:	240 × 140 × 100 mm (l × w × d)
Material:	stainless steel AISI 304 (1.4301)
Capacity:	3,0 litres
Oscillating systems:	1 PZT-large area transducer
Ultrasonic peak power:	320 W
HF-power:	80 W_{eff}
Frequency:	35 kHz
Heater:	RK 100 H - 140 W
Exterior dimensions:	260 × 160 × 250 mm (l × w × h)

Ultrasonic Baths
for special cleaning tasks

RK 31 H

For cleaning of rotating instruments and dentures

SONOREX SUPER RK 31 H • with heater

Code No. 044

SONOREX SUPER RK 31 • without heater

Code No. 329

Technical data

Inner tank dimensions:	190 × 85 × 60 mm (l × w × d)
Material:	stainless steel AISI 304 (1.4301)
Capacity:	0,9 litres
Oscillating systems:	1 PZT-large area transducer
Ultrasonic peak power:	240 W
HF-power:	30 W_{eff}
Heater:	RK 31 H - 70 W
Exterior dimensions:	205 × 100 × 155 mm (l × w × h)

RK 52 H

For cleaning of small instruments

SONOREX SUPER RK 52 H • with heater

Code No. 164

SONOREX SUPER RK 52 • without heater

Code No. 311

Technical data

Inner tank dimensions:	150 × 140 × 100 mm (l × w × d)
Material:	stainless steel AISI 304 (1.4301)
Capacity:	1,8 litres
Oscillating systems:	1 PZT-large area transducer
Ultrasonic peak power:	240 W
HF-power:	60 W_{eff}
Heater:	RK 52 H - 140 W
Exterior dimensions:	175 × 165 × 225 mm (l × w × h)

RK 255 H

For orthodontics

SONOREX SUPER RK 255 H • with heater

Code No. 316

SONOREX SUPER RK 255 • without heater

Code No. 3066

Technical data

Inner tank dimensions:	300 × 150 × 150 mm (l × w × d)
Material:	stainless steel AISI 304 (1.4301)
Capacity:	5,5 litres
Oscillating systems:	2 PZT-large area transducers
Ultrasonic peak power:	720 W
HF-power:	180 W_{eff}
Frequency:	35 kHz
Heater:	RK 255 H - 280 W
Exterior dimensions:	325 × 175 × 305 mm (l × w × h)
Features:	outlet with ball cock ¼", handles

RK 513

For cleaning of instruments in containers

SONOREX SUPER RK 513 • without heater

Code No. 215

Technical data

Inner tank dimensions:	330 × 240 × 220 mm (l × w × d)
Material:	2 mm stainless steel AISI 316 (1.4571),
Capacity:	17,0 litres
Oscillating systems:	6 PZT-large area transducers
Ultrasonic peak power:	1200 W
HF-power:	300 W_{eff}
Frequency:	35 kHz
Exterior dimensions:	370 × 280 × 385 mm (L × B × H)
Features:	outlet with ball cock ½", handles

SONOREX LONGLIFE
Ultrasonic baths for laboratory

THE TOUGH ONES - with welded tanks

- increased life time caused by 2 mm titanium stabilized stainless steel AISI 316 Ti (1.4571)
- 3 years long-term warranty
- CE marked as a medical device
- quality management system according to the requirements of EN ISO 13485/11.2000 in the production line

RK 52 CH

SONOREX LONGLIFE RK 52 CH • with heater
Code No. 3030

Technical data

Inner tank dimensions:	140 × 135 × 100 mm (l × w × d)
Capacity:	1,9 litres
Oscillating systems:	1 PZT-large area transducer
Ultrasonic peak power:	240 W
HF-power:	60 W_{eff}
Frequency:	35 kHz
Timer:	1 - 15 min and continuous operation
Heater:	100 W, 30 - 80 °C thermostatically adjustable
Housing:	stainless steel, drip-proof
Exterior dimensions:	180 × 175 × 250 mm (l × w × h)
Features:	handles

RK 102 CH

SONOREX LONGLIFE RK 102 CH • with heater
Code No. 3031

Technical data

Inner tank dimensions:	220 × 135 × 100 mm (l × w × d)
Capacity:	3,0 litres
Oscillating systems:	2 PZT-large area transducers
Ultrasonic peak power:	480 W
HF-power:	120 W_{eff}
Frequency:	35 kHz
Timer:	1 - 15 min and continuous operation
Heater:	200 W, 30 - 80 °C thermostatically adjustable
Housing:	stainless steel, drip-proof
Exterior dimensions:	260 × 175 × 275 mm (l × w × h)
Features:	outlet with ball cock ¼", handles

RK 255 CH

SONOREX LONGLIFE RK 255 CH • with heater
Code No. 3033

Technical data

Inner tank dimensions:	280 × 150 × 150 mm (l × w × d)
Capacity:	6,3 litres
Oscillating systems:	3 ZT-large area transducers
Ultrasonic peak power:	720 W
HF-power:	180 W_{eff}
Frequency:	35 kHz
Timer:	1 - 15 min and continuous operation
Heater:	280 W, 30 - 80 °C thermostatically adjustable
Housing:	stainless steel, drip-proof
Exterior dimensions:	320 × 190 × 325 mm (l × w × h)
Features:	outlet with ball cock ¼", handles

SONOREX SUPER ZE
Ultrasonic built-in units

Desinfection and cleaning in group practices

Advantages

- space-saving and simple mounting into workplates – enables free working area
- simple mounting by fixing screws
- hygienic care through roundet tank edges and installation into the workplate

Features

- ultrasonic frequency 35 kHz
- oscillating tank made of stainless steel
- marking of filling level for safe dosage
- CE-marked as a medical device
- quality management system according to the requirements of EN ISO 13485/11.2000 in the production line

ZE 514 – mounting from top

ZE 100

SONOREX SUPER ZE 100

Code No. 2060

Technical data

Inner tank dimensions:	240 × 140 × 100 mm (l × w × d)
Material:	stainless steel AISI 304 (1.4301)
Capacity:	3,0 litres
Outlet:	drain set G 1 1/2
Exterior tank dimensions:	257 × 155 × 165 mm (l × w × h)
Installation into workplate:	from top
Oscillating systems:	1 PZT-large area transducer
HF-generator:	80 × 180 × 195 mm (l × w × h)
Ultrasonic peak power:	320 W
HF-power:	80 W_{eff}
Timer:	1 - 15 min and continuous operation

Option: Built-in rinsing tank SW 10 Z without ultrasound, with drain set 1½"

Code No. 3001

ZE 514

SONOREX SUPER ZE 514

Code No. 2097

Technical data

Inner tank dimensions:	325 × 300 × 150 mm (l × w × d)
Material:	stainless steel AISI 304 (1.4301)
Capacity:	13,5 litres
Outlet:	drain set G 1 1/2
Exterior tank dimensions:	350 × 324 × 215 mm (l × w × h)
Installation into workplate:	from below or from top
Oscillating systems:	4 PZT-large area transducers
HF-generator:	305 × 310 × 142 mm (l × w × h)
Ultrasonic peak power:	860 W
HF-power:	215 W_{eff}
Control unit incl. timer:	1 - 15 min and continuous operation

Option: Built-in rinsing tank SW 14 Z without ultrasound, with drain set 1½"

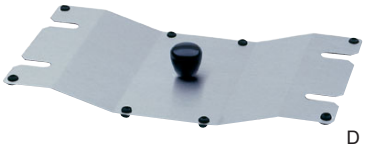
Code No. 088

SONOREX accessories

K 3 C

Insert basket,

stainless steel.
For cleaning of instruments (probes, presser, syringes) direct in the oscillating tank. Optimum permeability of ultrasound.



D 100

Lid,

stainless steel.
to protect the liquid from outside dirt. Condensation runs back into the oscillating tank.

KW 3

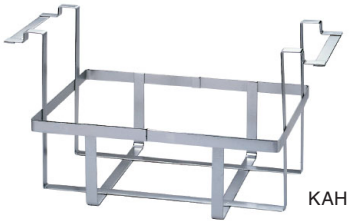
Insert tub,

plastic, with lid. For work with chemicals that attack the stainless steel tank.

LT 102

Holder,

stainless steel.
With silikon-spacer for save fixing of up to. 8 impression trays.



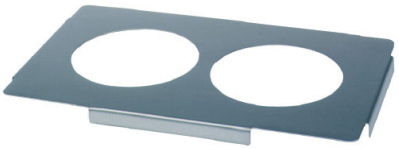
KAH 13

Holder for cassettes,

stainless steel.
For simultaneous sonication of up to 4 cassettes (max. size 300 × 215 × 40 mm).
For RK 513.
KAH 13 Code No. 235

Accessories / Unit	RK 31/H DT 31/ H	RK 52/H RK 52 CH DT 52/H	RK 100/H, DT 100/H RK 102 H DT 102 H	RK 102 CH
Insert basket, stainless steel (l × w × h) mm Code No.	K 08 170 × 65 × 50 209	K 1 C 120 × 110 × 40 3024	K 3 C 200 × 110 × 40 3025	K 3 C 200 × 110 × 40 3025
Insert basket, plastic (l × w × h) mm Code No.	-	PK 1 C 90 × 90 × 66 3046	K 3 P 195 × 115 × 88 111	-
Lid, stainless steel Code No.	D 08 218	D 52 3002	D 100 3003	D 100 3003
Insert tub, plastic (l × w × h) mm Code No.	-	-	KW 3 195 × 115 × 88 715	-
Positioning lid, stainless steel Code No.	DE 08 278	DE 52 3016	DE 100 3017	DE 100 3017
Holder, stainless steel Code No.	-	-	LT 102 371	-

SONOREX accessories



DE 100

SD 06

DD 06

PD 06

EB 05

SD 05

KB 04

KD 0

PD 04

Positioning lid,

stainless steel.
For inset beakers.

Inset beakers

suitable for positioning lid DE.
For the indirect cleaning of small portions.

SD 06 glass, 600 ml,
Ø 84 mm, deep 125 mm, with ring GR 06 and lid DD 06
Code No. 330

PD 06 plastic, 600 ml,
Ø 86 mm, deep 125 mm, with ring GR 06 and lid DD 06
Code No. 299

EB 05 stainless steel, 600 ml,
Ø 87 mm, deep 120 mm, with ring GR 06 and lid DD 06
Code No. 340

SD 05 for DE 08, glass, 600 ml,
Ø 76 mm, deep 150 mm, with ring GR 04, without lid
Code No. 575

KB 04 for DE 08, plastic, 400 ml,
Ø 76 mm, deep 110 mm, with ring GR 04, without lid
Code No. 3000

Inset sieve basket

mesh net 1 x 1 mm, suitable for inset beakers

KD 0 for SD 06, PD 06, EB 05
stainless steel, Ø 75 mm
Code No. 370

PD 04 for SD 06, PD 06, EB 05, SD 05, KB 04
plastic, Ø 60 mm
Code No. 126

Unit / Accessories	RK 255/H DT 255/H	RK 255 CH	RK 513	ZE 100	ZE 514
Insert basket, stainless steel (l × w × h) mm Code No.	K 5 C 260 × 110 × 40 3027	K 5 C 260 × 110 × 40 3027	K 13 250 × 190 × 50 222	K 3 Z 200 × 110 × 40 080	K 14 275 × 245 × 50 354
Insert basket, plastic (l × w × h) mm Code No.	K 5 P 254 × 96 × 130 113	-	-	-	-
Lid, stainless steel Code No.	D 255 3007	D 255 3007	D 513 3009	D 100 3003	D 514 Z* 3051
Insert tub, plastic (l × w × h) mm Code No.	KW 5 254 × 96 × 130 240	-	-	-	-
Positioning lid, stainless steel Code No.	DE 255 3028	DE 255 3028	DE 3BL 308	DE 100 3017	-
Holder, stainless steel Code No.	LT 102 371	-	-	-	-

*Installation into workplate from top

Cleaning concentrates
gentle to material and cavitation boosting

Optimum cleaning results require the application of appropriate disinfecting and cleaning agents. They must exhibit features to improve the cavitation process and to protect the material during ultrasonic treatment. Many disinfecting and cleaning agents contain substances that can attack the stainless steel oscillating tank.

STAMMOPUR, TICKOMED and STAMMOFORM have been especially developed for ultrasonic application and are CE marked according the Medical Device Directive.
All agents are environmental friendly and biodegradable.

Intensive cleaner for instruments
STAMMOPUR RD 5

Removes obstinate, encrusted contaminations like blood, secretions, sputum, grinding and polishing residues, fat, wax, tissue residues, filling materials from instruments, devices, dentures, crowns etc.
Concentrate. High material compatibility, with corrosion protection. Not applicable for light metals.
Alkaline, pH 10.9 at 1 %. **Hazard identification:** Xi Irritant

Application with ultrasound
3 % 2–10 min

Delivery form	**Code No.**
2-litre-bottle	827
5-litre-jerrycan	901
25-litre-jerrycan	902

Universal cleaner for instruments
TICKOMED 1

Removes blood, secretions, sputum, grinding and polishing paste, fat, wax, tissue residues, filling materials, dentinal splinter from instruments, devices, dentures, burs etc.
Concentrate. Very high material compatibility, with corrosion protection. Also for use on light metals.
Applicable as contact liquid. Mildly alkaline, pH 9.0 at 1 %. **Hazard identification**: Xi Irritant

Application with ultrasound
3 % 2–10 min

Delivery form	**Code No.**
2-litre-bottle	904
5-litre-jerrycan	949
25-litre-jerrycan	961

Cement remover and denture cleaner
STAMMOPUR Z

Removes dental cements (except some glas-ionomer cements), tartar, provisional filling materials, embedding materials, oxides and fluxes from instruments and dentures.
Concentrate. For stainless steel, precious metals, plastics, ceramics. Not for use on light metals.
Caution with damaged chrome-plated material.
Application **only** in inset beakers (indirect sonication, contact liquid TICKOMED 1). Acid, pH 1.9 at 1 %.
Hazard identification: C Corrosive

Application with ultrasound
5 % 2–10 min

Delivery form	**Code No.**
2-litre-bottle	822
5-litre-jerrycan	928
25-litre-jerrycan	929

Plaster and alginate remover
STAMMOPUR AG

Removes plasters, alginates, impressing and embedding materials from impression trays, dental tools and accessory. Ready for use. Very high material compatibility. For all materials, also for light metals.
Also applicable without ultrasound e.g.: plaster traps, vacuum mixing devices undiluted for 15–120 min.
Mildly alkaline, pH 8.0.

Application with ultrasound
undiluted 3–10 min

Delivery form	**Code No.**
2-litre-bottle	825
5-litre-jerrycan	906
25-litre-jerrycan	907

Disinfection and cleaning agents

Disinfection and intensive cleaning of instruments
STAMMOPUR DR 8 - DGHM* certified

Simultaneous disinfection and intensive cleaning after dry storage. Very good solubilization of blood. For instruments heavily contaminated with dry blood and incrusted secretions. Due to short irradiation time especially suitable for the disinfection and cleaning of very sensitive instruments. Very high material compatibility. Recommended by a well-known manufacturer of endoscopes. Solution applicable under strain for 3 days. Neutral odour.
Concentrate. With corrosion protection. Free from aldehydes, chlorine and phenols.
Bactericidal (incl. Tb.-B., helicobacter pylori), fungicidal, virucidal (HBV/HIV). Mildly alkaline, pH 9.4 at 1 %.

Hazard identification: C Corrosive

Active agents in 100 g: 9,9 g Bis(3-aminopropyl) dodecylamin, 8,4 g Didecylmethylpoly(oxyethyl)ammoniumpropionat; 5-10 % non-ionic tensides, 30-50 % solvents, complexing agents, pH-regulators, adjusting agents. **Expertises:** bacteria, fungi according DGHM*: Prof. Dr. Schubert, Frankfurt 6/99; Prof. Dr. Werner, Schwerin, 12/98; HBV/HIV: Prof. Dr. Frösner, München 8/99; Helicobacter pylori: Prof. Dr. Werner, Schwerin 8/00; Time durability: Prof. Dr. Werner, Schwerin 10/99. Ultrasound time reduction: Dr. W. U. Färber 08/02.

Application with ultrasound
2 % – 5 min
1.5 % – 10 min
1 % – 15 min

Application with ultrasound
1 % – 60 min
2 % – 30 min
3 % – 15 min

Delivery form	Code No.
2-litre-bottle	972
5-litre-jerrycan	974
25-litre-jerrycan	936

Bur disinfection and cleaning
STAMMOPUR DB - DGHM* certified

Simultaneous disinfection and cleaning of rotating dental instruments like burs, cutters and files. Ready for use. With corrosion protection. High material compatibility. Caution with light metals. Not for alkali- and alcohol-sensitive materials. Active against bacteria (incl. Tb.-B.), fungi, viruses (HBV/HIV). Alkaline, pH 13.0.

Hazard identification: Xi Irritant

Active agents in 100 g: 30 g 2-Ppropanol, 0,1 g Didecyldimethylammononiumchlorid, <0,5 % sodiumhydroxide, inhibitors, inorganic salts. **Expertises:** bacteria, fungi according DGHM*: Prof. Dr. Hartmann, 6/93, Berlin, Prof. Dr. Gundermann 6/94 and 4/98 Kiel; Prof. Dr. Werner, 2/98 Schwerin; viruses (HBV/HIV): Dr. Steinmann, 3/98 Bremen;
Ultrasound time reduction: Prof. Dr. Hartmann 3/94 Berlin.

Application with ultrasound
undiluted 5 min

Delivery form	Code No.
2-litre-bottle	821
5-litre-jerrycan	984
25-litre-jerrycan	933

Disinfection and cleaning of bite-impressions and dentures
STAMMOFORM D

Simultaneous disinfection and cleaning of bite-impressions and dentures after removing or treatment. High form stability with alginates, silicones, plasters, hydcolloids and polyether rubber. Powder.
Very high material compatibility. Free from aldehydes, chlorine, phenols, and quats. Active against bacteria (incl. Tb.-B.), fungi, viruses (polio, vaccinia, adeno, papova). Mildly alkaline, pH 8.9 at 1 %.

Hazard identification: Xn Harmful

Active agents in 100 g: 24 g acetoxybenzoic acid, 37,5 g sodiumpercarbonate, complexing agents, <5 % anionic tensides, citrates, carbonates. **Expertises:** bacteria, fungi according DGHM* (surface disinfection): Prof. Dr. Hartmann, 9/94 Berlin, viruses (polio, adeno, papova and vaccinia): Prof. Dr. Hartmann 4/87 Berlin.

Application without ultrasound 2 %
Immerse for 5 sec,
disinfected after 15 min.

Delivery form	Code No.
200 g	924
4 x 200 g	925

*** Deutsche Gesellschaft für Hygiene und Mikrobiologie (German Society for Hygiene and Microbiology).**

Use disinfectants safely. Always read the label and product information before use!

Ultrasound

What is ultrasound?

Vibrations of frequencies exceeding 18 kHz (18.000 vibrations per second) are called ultrasound.
As a result of these vibrations millions of smallest vacuum bubbles are formed in liquids.
They implode during the high pressure phase and create highly effective pushes of pressure.
This process is called cavitation.
Frequencies of approx. 35 kHz are used for the intensive and gentle cleaning.

Advantages of the ultrasonic disinfection and cleaning

Ultrasonic cavitation removes dirt rapidly from items, thoroughly, and deep from pores, even from places difficult to get to - „Electronic brushing".
Disinfecting time is shortened up to 5 minutes.
Dirt like residues of blood and bones, secretions, tartar at dentures, alginates, cements and plasters, grinding and polishing pastes are removed without any problem.

How to select the proper bath?

SONOREX ultrasonic baths work with the cleaning intensive frequency of 35 kHz.

The size and number of objects to be cleaned determine the size of the ultrasonic bath.
When selecting the bath, the dimensions of the basket have to be considered. For cleaning in the dental laboratory baths with heater are favourably used.
Warmed up cleaning solutions reduce the cleaning time. Disinfection solutions may not be warmed up, because of the protein starting to coagulate at temperatures above 40 °C (104 F) which is an impediment for disinfection and cleaning.

What kind of accessories are recommended?

Insert baskets prevent the parts to be cleaned and the tank's bottom from scratching.
The parts to be cleaned must not be placed on the bottom of the oscillating tank.
Beakers are placed into positioning lids and are used for cleaning of small objects or when working with aggressive solutions.
It is necessary to use plastic insert tubs, when working with acids or removing residues of acids.

Which liquids have to be used?

Water without any appopiate additives does neither disinfect nor clean.
All STAMMOPUR and TICKOMED concentrates have been especially developed for disinfection and cleaning in ultrasonic baths.
The disinfection concentrates STAMMOPUR DR 8 and STAMMOPUR DB have micro-biological certificates (certified according to DGHM, the german society of hygienics and microbiology.

ultrasound company * BANDELIN * manufactured in Germany *

BANDELIN *electronic* - being specialised in manufacturing ultrasonic units and maintaining a quality management system according to EN ISO 9001/12.2000 and EN ISO 13485/11.2000

BANDELIN
www.bandelin.com
info@bandelin.com

55 years of experience in ultrasound technology