

Центрифуги с аксессуарами CARL ROTH серии Elmasonic P, Elmasonic S 50 R, Noise protection box M, Noise protection box L, Elmasonic xtra TT, Transsonic TI-H

Технические характеристики

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Ultrasonic baths

Ultrasonic cleaning unit Elmasonic P

Elma.

- Stainless steel vibration tank and housing
- Digital LED display for clear indication of frequency, output, actual and nominal temperatures and timer
- 3/8" drainage valve on back of unit (operated at the side)
- Ultrasonic frequency is switchable between 37 kHz (basic cleaning, mixing, dissolving) and 80 kHz (mild cleaning, low noise)
- Ultrasonic intensity is adjustable from 30% (for sensitive surfaces) to 100% in increments of 10%
- Automatic frequency switch-over for simultaneous coarse and fine cleaning
- **Sweep function** for optimised sound field distribution
- **Pulse function** for intensification of ultrasonic cleaning power by up to 20%
- (Auto-) **Degas function** for quick degassing
- Temperature-controlled ultrasonic cleaning
- Heating that is safe to run dry, adjustable from 30 to 80 °C in increments of 10 °C
- Automatic safety switch-off at a bath temperature of 90 °C or after more than 12 hours of continuous operation



Technical specifications:

Art. No.	LX70.1	LX71.1	LX72.1	LX73.1	LX74.1	LX75.1
Type	P 30H	P 60H	P 70H	P 120H	P 180H	P 300H
Vol.	2.75 l	5.75 l	6.9 l	12.75 l	18.0 l	28.0 l
Inner tub length	240 mm	300 mm	505 mm	300 mm	327 mm	505 mm
Inner tub width	137 mm	151 mm	137 mm	240 mm	300 mm	
Inner tub height	100 mm	150 mm	100 mm	200 mm		
Outer length	300 mm	365 mm	568 mm	365 mm	390 mm	568 mm
Outer width	179 mm	186 mm	179 mm	278 mm	340 mm	
Outer height	221 mm	271 mm	221 mm	321 mm		
Operating frequency	37 kHz/80 kHz					
Peak ultrasonic output	400 W	600 W	880 W	1,320 W		1,520 W
Effective HF power	100 W	150 W	220 W	330 W		380 W
Heating output	200 W	400 W	600 W	800 W		1200 W
Outlet valve	Yes					

Delivery without basket and lid (optional), please order separately.

Not a medical device / Not an IVD product

Type	Vol. (l)	Outer length (mm)	Outer width (mm)	Outer height (mm)	Art. No.	Pack Qty.
P 30H	2.75	300	179	221	LX70.1	1 unit(s)
P 60H	5.75	365	186	271	LX71.1	1 unit(s)
P 70H	6.9	568	179	221	LX72.1	1 unit(s)
P 120H	12.75	365	278	321	LX73.1	1 unit(s)
P 180H	18.0	390	340	321	LX74.1	1 unit(s)
P 300H	28.0	568	340	321	LX75.1	1 unit(s)

Accessories lid for Elmasonic S and P ultrasonic cleaning units

Elma. Material: Plastic.

Noise-inhibiting. Usable as a drip tray.



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Version	Suitable for	Art. No.	Pack Qty.
Lid	S 15 / S 15H	CE01.1	1 unit(s)
Lid	S 30 / S 30H / S 40 / S 40H / P 30H	CE02.1	1 unit(s)
Lid	S 60 / S 60H / P60 H	CE03.1	1 unit(s)
Lid	S 70 / S 70H / S 80 / S 80H / P 70 H	CE04.1	1 unit(s)
Lid	P 120H	LX84.1	1 unit(s)
Lid	S 180 / S 180H / P 180H	CE05.1	1 unit(s)
Lid	P 300H	LX85.1	1 unit(s)



Ultrasonic baths

Accessories insert tub for Elmasonic S, P and xtra ultrasonic cleaning units

Elma. Material: Plastic.
Tub with small holes in the base.



Not a medical device / Not an IVD product

Version	Suitable for	Art. No.	Pack Qty.
Insert tub	S 15, S 15H	C309.1	1 unit(s)
Insert tub	S 30, S 30H, P 30 H, xtra	0613.1	1 unit(s)
Insert tub	S 40, S 40H	C310.1	1 unit(s)

Accessories insert lid

Elma. Material: Stainless steel.



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Version	Suitable for	Ø Hole (mm)	Art. No.	Pack Qty.
for 2 beakers	S 30, S 30H, S 40, S 40H, P 30 H	95	H557.1	1 unit(s)

Accessories immersion basket

Elma.
Can be used with all types of device.



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(1) Polyethylene

Material: PE.

Version	Inner basket height (mm)	Ø Internal (mm)	Art. No.	Pack Qty.
PE immersion basket	40	74	H558.1	1 unit(s)

(2) Stainless steel, mesh size 0.8 mm

Material: Stainless steel.

Version	Inner basket height (mm)	Ø Internal (mm)	Art. No.	Pack Qty.
Immersion basket made of stainless steel	60	59	H559.1	1 unit(s)

Ultrasonic baths

Ultrasonic cleaning unit Elmasonic S 50 R

Elma.

Ultrasonic cleaning unit for cleaning test sieves, HPLC solvent degassing and sample preparation. With microprocessor-controlled ultrasound modes and special programmes for routine laboratory applications and cleaning tasks.



- **Sieve cleaning function:**
strong cleaning pulses ensure optimal sieve cleaning
- **Degas/(autodegas) function:**
efficient and noise-reduced degassing of HPLC solvents and carbonated beverage samples
- **Sample preparation function:**
for routine tasks such as mixing, dissolving, dispersing and cleaning
- Short-time operation between 1 and 30 minutes or continuous operation, adjustable using rotary switch
- LED display of set cleaning time and remaining cleaning time
- Cleaning tank made of cavitation-resistant stainless steel
- Can be connected to laboratory stand for noise-reduced operation
- Plastic carry handles

Technical specifications:

Art. No.	YE61.1
Type	Elmasonic S 50 R
Vol.	5 l
Max. volume	5.3 l
Ø Internal	240 mm
Inner tub height	130 mm
Ø ext.	260 mm
Outer height	350 mm
Operating frequency	37 kHz
Peak ultrasonic output	600 W
Effective HF power	150 W
Power consumption	150 W
Weight	5 kg

Delivery without basket and accessories, please order separately.

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Type	Vol. (l)	Outer height (mm)	Art. No.	Pack Qty.
Elmasonic S 50 R	5	350	YE61.1	1 unit(s)

Accessories for Elmasonic S 50 R ultrasonic cleaning unit

Elma.

Not a medical device / Not an IVD product

Lid

Material: PP. Blue, noise-inhibiting.

Version	Art. No.	Pack Qty.
Lid	YE62.1	1 unit(s)

(1) Perforated lid

Material: PP. Blue. Opening Ø 97 mm. Perforated lid in combination with rubber ring suitable for 600 ml beakers (low form) and 1000 ml beakers (high form).

Delivery without rubber ring, please order separately.

Version	Art. No.	Pack Qty.
Perforated lid	YE63.1	1 unit(s)

Rubber ring

Material: Rubber.

Version	Art. No.	Pack Qty.
Rubber ring	YE64.1	1 unit(s)



Ultrasonic baths

(2) Sieve holder for laboratory sieves

Material: Stainless steel 1.4301. Suitable for laboratory sieve Ø of 100 and 200 mm.

Version	Suitable for	Art. No.	Pack Qty.
Sieve holder for laboratory sieves	Laboratory sieve Ø of 100 and 200 mm	YE65.1	1 unit(s)

(3) Insertion basket

Material: Stainless steel. Basket inner dimensions: Ø 220 x H 70 mm. Mesh size 10 x 10 mm. Handles with heat-insulating coating.

Version	Inner basket height (mm)	Ø Internal (mm)	Art. No.	Pack Qty.
Insertion basket	70	220	YE66.1	1 unit(s)

Set of fixtures for glass flasks for HPLC degassing

Delivery incl. three-finger clamp, fastening sleeve and stand rod (length 600 mm).

Version	Art. No.	Pack Qty.
Set of fixtures for glass flasks for HPLC degassing	YE67.1	1 unit(s)

Noise protection box for ultrasonic cleaning units

Elma.

Noise protection box for ultrasonic cleaning units to reduce typical cavitation noises by approx. 20 dBA and reduce subjective noises by 75%. Cover made of Plexiglas so that the unit function and fill level can be seen. Integrated air extraction to remove steam from the box can be manually activated. This allows the box to be used directly at work stations in chemical laboratories, dental laboratories and workshops.



Technical specifications:

Art. No.	YP19.1	YP20.1
Type	Noise protection box M	Noise protection box L
Suitable for	S 10, S 15, S 30, P 30, S 40, S 60, P 60	S 90, S 100, S 120, P 120, S 130, X-tra 30, X-tra 50, X-tra 70, Transsonic TI-H-5
Inner length	380 mm	440 mm
Inner width	240 mm	310 mm
Inner height	315 mm	480 mm
Outer length	465 mm	530 mm
Outer width	415 mm	490 mm
Outer height	360 mm	530 mm
Power consumption	18 W	
Weight	12.6 kg	15.2 kg
Mains connection	230 V, 50 Hz	

Delivery without ultrasonic cleaning unit, please order separately.

Not a medical device / Not an IVD product

Type	Outer length (mm)	Outer width (mm)	Outer height (mm)	Art. No.	Pack Qty.
Noise protection box L	530	490	530	YP20.1	1 unit(s)
Noise protection box M	465	415	360	YP19.1	1 unit(s)

Ultrasonic baths

Ultrasonic cleaning unit Elmasonic xtra TT

Elma.

Powerful ultrasonic baths with permanently integrated sweep function for uniform cleaning. Vibration tank made of cavitation-resistant stainless steel. With LED display for ultrasonic and heating function.



- Ultrasonic frequency 37 kHz
- Permanently integrated sweep function for uniform distribution of the ultrasonic power in the entire cleaning bath
- Switchable dynamics function enhances the ultrasonic peak performance and improves the cleaning effect
- Permanent operation of brief operation adjustable between 1 and 30 minutes
- Temperature selectable from 30–80 °C in increments of 5 °C
- Adjustable limit temperature, LED warning display if exceeded
- Auto-start function: Ultrasonic cleaning starts automatically when the preselected temperature is reached
- 3/8" drain ball valve
- Heating that is safe to run dry
- Automatic safety switch-off after 8 hours continuous operation or 90 °C bath temperature
- Removable power cable with rubber connector

Technical specifications:

Art. No.	HHH7.1	HHH8.1	HHH9.1	HHK0.1
Type	xtra TT 30 H	xtra TT 60 H	xtra TT 120 H	xtra TT 200 H
Vol.	2 l	5 l	10 l	13 l
Max. volume	3 l	6.5 l	14 l	18 l
Inner tub length	240 mm	300 mm		320 mm
Inner tub width	130 mm	150 mm	240 mm	280 mm
Inner tub height	100 mm	150 mm	200 mm	
Inner basket length	196 mm	257 mm	262 mm	280 mm
Inner basket width	112 mm	132 mm	222 mm	250 mm
Inner basket height	49 mm	74 mm	114 mm	
Loading capacity	1 kg	3 kg	7 kg	8 kg
Outer length	360 mm	420 mm	440 mm	420 mm
Outer width	230 mm	250 mm	340 mm	390 mm
Outer height	250 mm	300 mm	350 mm	330 mm
Operating frequency	37 kHz			
Effective HF power	140 W	150 W	200 W	300 W
Heating output	200 W	400 W	800 W	1200 W
Outlet valve	Yes			
Weight	6 kg	10 kg	11 kg	13 kg
Mains connection	220–240 V, 50/60 Hz			

Delivery incl. lid. Basket not included. Please order separately.

Not a medical device / Not an IVD product

Type	Vol. (l)	Outer length (mm)	Outer width (mm)	Outer height (mm)	Art. No.	Pack Qty.
xtra TT 30 H	2	360	230	250	HHH7.1	1 unit(s)
xtra TT 60 H	5	420	250	300	HHH8.1	1 unit(s)
xtra TT 120 H	10	440	340	350	HHH9.1	1 unit(s)
xtra TT 200 H	13	420	390	330	HHK0.1	1 unit(s)

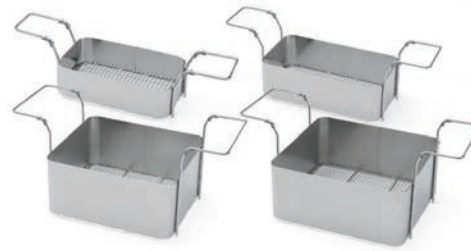


Ultrasonic baths

Accessories insertion basket for Elmasonic xtra TT ultrasonic cleaning units

Elma. Material: Stainless steel.

Mesh size 6 x 1 mm.



Not a medical device / Not an IVD product

Version	Suitable for	Inner basket length (mm)	Inner basket width (mm)	Inner basket height (mm)	Art. No.	Pack Qty.
Insertion basket	xtra TT 30 H	196	112	49	HHK1.1	1 unit(s)
Insertion basket	xtra TT 60 H	257	132	74	HHK2.1	1 unit(s)
Insertion basket	xtra TT 120 H	262	222	114	HHK3.1	1 unit(s)
Insertion basket	xtra TT 200 H	280	250	114	HHK4.1	1 unit(s)

Ultrasonic cleaning unit Transsonic TI-H

Elma. Material: Stainless steel.

- **Multi-frequency bath:** Frequencies (35/130 kHz) can be switched over for intensive cleaning and gentle cleaning of sensitive surfaces
- Stainless steel shell. Vibration tank made of 1.5 mm strong special stainless steel, extremely robust and hard wearing
- **Degas function** for rapid, effective degassing
- **Sweep function** for optimised sound field distribution
- Outlet on back of housing, electrical control via push-button
- With heating, adjustable from 30–80 °C



Technical specifications:

Art. No.	T712.1	T713.1	T714.1	T715.1
Type	TI-H-5	TI-H-10	TI-H-15	TI-H-20
Vol.	3.5 l	8.6 l	12.2 l	16.8 l
Inner tub length	240 mm	300 mm		330 mm
Inner tub width	130 mm	240 mm		300 mm
Inner tub height	150 mm		200 mm	
Outer length	340 mm	400 mm		430 mm
Outer width	300 mm	415 mm		470 mm
Outer height	370 mm		420 mm	
Operating frequency	35/130 kHz			
Peak ultrasonic output	400 W	800 W		1,000 W

Delivery without basket and lid (optional), please order separately.

Not a medical device / Not an IVD product

Type	Vol. (l)	Outer length (mm)	Outer width (mm)	Outer height (mm)	Art. No.	Pack Qty.
TI-H-5	3.5	340	300	370	T712.1	1 unit(s)
TI-H-10	8.6	400	415	370	T713.1	1 unit(s)
TI-H-15	12.2	400	415	420	T714.1	1 unit(s)
TI-H-20	16.8	430	470	420	T715.1	1 unit(s)

Ultrasonic baths

Accessories lid for Transsonic TI-H ultrasonic cleaning units

Elma. Material: Stainless steel.

For Transsonic TI-H ultrasonic cleaning units.



Not a medical device / Not an IVD product

Version	Suitable for	Art. No.	Pack Qty.
Lid	TI-H-5	T716.1	1 unit(s)
Lid	TI-H-10	T717.1	1 unit(s)
Lid	TI-H-15	T718.1	1 unit(s)
Lid	TI-H-20	T719.1	1 unit(s)

Accessories insertion basket for Transsonic TI-H ultrasonic cleaning units

Elma. Material: Stainless steel.

For Transsonic TI-H ultrasonic cleaning unit.



Not a medical device / Not an IVD product

Version	Suitable for	Inner basket length (mm)	Inner basket width (mm)	Inner basket height (mm)	Art. No.	Pack Qty.
Insertion basket	TI-H-5	200	100	90	T720.1	1 unit(s)
Insertion basket	TI-H-10	260	210	90	T721.1	1 unit(s)
Insertion basket	TI-H-15	260	210	135	T722.1	1 unit(s)
Insertion basket	TI-H-20	290	270	135	T723.1	1 unit(s)

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