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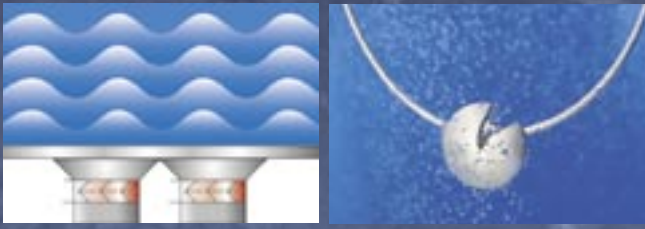
Transsonic analogous ultrasonic units
fast working, intensive and
gentle to the material



Ultrasound the technology that
cleans anything.

- hygienic stainless-steel surfaces
- powerful transducer systems
- solid heating system
- ultrasound for topmost cleanness,
very gentle to the cleaning items

The ELMA Transsonic Analogous Ultrasonics series



Cleaning by ultrasound is the latest method. Advantages of the technology are topmost cleaning results in no time without any additional work and without any risk of damaging the cleaning items. Ultrasound is mechanical vibration. The human ear can perceive vibrations between 16 and 20,000 Hz (vibrations per minute). Ultrasonic vibrations are beyond the human range of perception. In liquids, high ultrasonic energies are transmitted. Vibration and flow increase the cleaning effect on the cleaning items. Excellent results through reproduceable hygienic cleaning jobs are the standard.

Analogous technology that stands the test. The compact cleaning units meet all standard requirements of various business sectors. The efficient cleaning results are due to the high cleaning performance of the ELMA spread-beam sandwich transducers.

- cleaning tanks and housing made of strong, carefree stainless steel
- timer for predefined period of operation or permanent operation
- thermostatically adjustable heating, optional for part of the product range
- drain plug and handy carrying handles available on T 660/H and larger units
- high safety standard due to CE conformity



T 570/H

T 890/H

T 660/H

TP 690

T 1060/H



The spread-beam transducer systems have been specially designed and are manufactured and fitted to the units by ELMA.

„Made in Germany“: a high quality level which we guarantee not only in development and manufacturing, but also in service and support.



The use of stainless steel for tanks and housing is standard for ELMA units. Clean cut surfaces are easy to keep clean. There are no crevices and edges in the transducer tanks. All models meet the high user demands on hygiene. The elegant design is user-oriented.



User-friendly operation and constant power guarantee perfect cleaning results. Transsonic ultrasonic units are easy to operate. According to your individual requirements, the units can be equipped with thermostat and timer. Adjustment is exact and clearly indicated.



We develop the suitable cleaning chemicals for a multitude of cleaning jobs in our own laboratory for the use in all our units including the ELMA Transsonic Analogous Ultrasonic Series. There is a large range of accessory equipment available for the various units.



T 1040/H

TS 540

T 820/H

T 460/H

T 420

T 700/H

T 310/H

Transsonic Analogous Ultrasonic Units

fast working, intensive and gentle to the material

Technical data/Accessories

	T 310	T 420	T 460	T 470/H	TS 540	T 570	T 660/H	TP 690	TP 695/H	T 700	T 780	T 820/H	T 890	T 1040/H	T 1060/H
Inner dimensions tank W x D x H	190x85x60	151x137x100	240x137x100	240x137x100	Ø240x145H	240x137x150	300x151x150	505x137x100	505x137x150	300x200x150	300x240x200	327x300x200	300x505x200	300x500x300	600x500x300
Outer dimensions unit W x D x H	200x120x145	180x170x215	265x180x215	265x180x215	Ø300x280x285	300x180x265	375x200x260	605x180x215	605x180x265	395x290x375	395x290x410	395x370x410	370x605x410	400x630x520	720x620x520
Volume/litre	0,8	1,75	2,75	2,75	5,4	4,25	5,75	6,9	7,4	9,5	12,75	18,0	28,0	45,0	90,0
Weight/kg	1,7 (1,8)	2,2 (2,3)	2,8 (2,9)	3,2	4,5	3,8 (3,9)	4,8	5,5 (5,8)	7,4	6,7 (6,9)	8,6 (8,9)	10,2	12,2 (12,7)	24,6	38,3
Frequency/kHz	35	35	35	35	35	35	35	35	35	35	35	35	35	40	40
HF peak/W	70	70	170	170	320	320	320	320	320	320	500	500	600	800	1600
Connected load/VA	35 (95)	35 (95)	85 (285)	285	160	160 (360)	360	160 (760)	760	160 (560)	250 (650)	1050	300 (1100)	2000	2800
Housing	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel
Timer	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Drain	no	no	no	yes	no	no	yes	yes	yes	yes	yes	yes	yes	yes	yes
Order No.	292 300 0000	292 400 0000	293 400 0000	293 450 0000	294 500 0000	294 400 0000	295 500 2000	294 450 0000	220 690 0000	295 400 0000	297 400 0000	297 500 0000	298 400 0000	298 600 0000	298 650 0000
Heating/ Order No.	T 310/H 220 310 0000	T 420/H 220 420 0000	T 460/H 293 400 2000	incl.	no	T 570/H 294 400 2000	incl.	TP 690/H 220 680 0000	incl.	T 700/H 295 400 2000	T 780/H 297 400 2000	incl.	T 890/H 298 400 2000	incl.	incl.



Stainless-steel cover
for T 420, T 420/H
Order No. 207 027 0000
for T 460, T 460/H, T 470/H,
T 490 DH, T 570, T 570/H
Order No. 207 028 0000
for TS 540 (round)
Order No. 207 032 0000
for T 660/H
Order No. 207 068 0000
for TP 680 DH, TP 690, TP 695
Order No. 207 031 0000
for T 700, T 700/H, T 710 DH,
T 780, T 780/H, T 760 DH, S 781
Order No. 207 048 0000
for T 820/H, T 840 DH
Order No. 207 057 0000
for T 890, T 890/H, T 910 DH,
S 891
Order No. 207 049 0000
for T 1040/H
Order No. 207 055 0000
for T 1060/H
Order No. 207 085 0000



Electrically heated drying drum for the spotless drying of cleaned jewellery
Order No. 329 000 0000



Transparent cover
for T 420, T 420/H
Order No. 207 079 0000
for T 460, T 460/H, T 470/H,
T 490 DH, T 570, T 570/H
Order No. 207 080 0000
for T 660/H
Order No. 207 081 0000
for T 700, T 700/H, T 710 DH,
T 780, T 780/H, T 760 DH,
S 781
Order No. 207 082 0000
for T 820/H, T 840 DH
Order No. 207 083 0000
for T 890, T 890/H,
T 910 DH, S 891
Order No. 207 084 0000



Immersion cooler made of stainless steel
for T 460, T 460/H, T 470/H,
T 490 DH
Order No. 207 075 0000



Moveable rack
for T 1040/H
Order No. 210 100 0131
for T 1060/H
Order No. 210 100 0130



Stainless-steel cover
with holes for 2 beakers
for T 310, T 310/H
Order No. 207 052 0000
Stainless-steel cover
with holes for 1 beaker
for T 420, T 420/H
Order No. 207 029 0000
Stainless-steel cover
with holes for 2 beakers
for T 460, T 460/H, T 470/H,
T 490 DH, T 570, T 570/H
Order No. 207 030 0000



Immersion basket
made of stainless steel
Service dimensions: dia 59
mm, height 60 mm
for all unit types
Order No. 207 054 0000



Tool holder
made of stainless steel
(without bottle)
Order No. 207 076 0000



Beaker
with lid 600 ml
für T 310, T 310/H
Order No. 207 036 0000
Beaker
with lid 600 ml
for all unit types
Order No. 207 034 0000
Beaker
with lid 1000 ml
for all unit types
Order No. 207 035 0000



Immersion basket
made of hostalen
Service dimensions:
dia 74 mm, height 50 mm
for all unit types
Order No. 207 038 0000



Ring holder
Order No. 207 046 0000
Rink hook
Order No. 207 061 0000



Acid-resistant tub plastic
with cover
for T 460, T 460/H, T 470/H,
T 490 DH, T 570, T 570/H, T 660/H
Order No. 207 089 0000
for T 700, T 700/H, T 710 DH,
T 780, T 780/H, T 760 DH
Order No. 207 090 0000
for T 820/H, T 840 DH
Order No. 207 091 0000
for T 890, T 890/H
Order No. 200 000 8000
for T 1040/H
Order No. 207 078 0000



Hostalen tub
for T 420, T 420/H
Service dimensions:
95 x 95 x 57 mm
Order No. 207 039 0000
for T 460, T 460/H, T 470/H,
T 490 DH
Service dimensions:
200 x 95 x 57 mm
Order No. 207 040 0000
for T 570, T 570/H
with longer straps
Service dimensions:
200 x 95 x 57 mm
Order No. 207 060 0000



Test tube holder made of stainless steel (without tubes)
Order No. 207 077 0000



Stainless-steel basket
with handles
for T 310, T 310/H
Order No. 207 043 0000
for T 420, T 420/H
Order No. 207 053 0000
for T 460, T 460/H, T 470/H,
T 490 DH
Order No. 207 041 0000
for TS 540 (rund)
Order No. 207 033 0000
for T 570, T 570/H
Order No. 207 042 0000
for T 660/H
Order No. 207 069 0000
for TP 680 DH, TP 690
Order No. 207 044 0000
for TP 695
Order No. 200 000 1180
for T 700, T 700/H, T 710 DH
Order No. 207 059 0000
for T 780, T 780/H, T 760 DH,
S 781
Order No. 207 050 0000
for T 820/H, T 840 DH
Order No. 207 058 0000
for T 890, T 890/H, T 910 DH,
S 891
Order No. 207 051 0000
for T 1040/H
Order No. 207 056 0000
for T 1060/H
Order No. 207 086 0000



Electrical warm air dryer
Order No. 375 010 0000