

Elmasonic XL 1600

Ultrasonic cleaning unit

Elma Order Nos.

Elmasonic XL 1600 (400 V) bottom sound	103 9917
Elmasonic XL 1600 (400 V) osc. bottom sound	103 9919
Elmasonic XL 1600 (400 V) 2-side sound	103 9921
Elmasonic XL 1600 (400 V) osc. 2-side sound	103 9223
Elmasonic XL 1600 (400 V) 3-side sound	103 9925
Elmasonic XL 1600 (400 V) osc. 3-side sound	103 9927
Lid (stainless steel)	103 5376
Flip-top-Cover (stainless steel)	103 5330
Basket (stainless steel)	103 5324

Further accessories on request



Pictured unit with hingend flip-top cover

Strong and powerful stand-alone units for the industrial parts cleaning, available in 3 different sizes from 140 l up to 300 l tank capacity. Perfect for the removal of polishing pastes, particles and fats and oils. The units are equipped with multi-frequency transducer systems (25 / 45 kHz), mounted either to the bottom or to 2 or 3 sides. A separate device for controlling the cavitation fields can be ordered as an optional feature (on units with 2-side ultrasound). The control allows an additional optimized sound field distribution, stationary sound pressure maxima and minima are avoided. Cavitation damage and "surface shadows" on particularly sensitive surfaces are prevented. The surfaces are treated perfectly gently.

Product features

- ultrasonic frequency can be changed from 25 kHz for the coarse and pre-cleaning to 45 kHz for fine cleaning and vice versa
- „controlled cavitation field“ (on units with 2-side ultrasound): for the optimized sound field distribution, the cavitation fields can be controlled. This is important for applications which require an even sound field distribution, such as on mirrored glass or metal surfaces
- Pulse mode to increase the ultrasonic power through sound wave modulation
- Sweep mode for an even distribution of the ultrasonic power
- Degas mode for the quick degassing of the fresh cleaning bath
- manual setting of the ultrasonic power between 10% and 100%
- powerful screw-type heating elements for a very high heating power
- ultrasonic tank made of special highly cavitation-proof stainless steel
- industrial control unit with display, simple operation, clearly arranged display
- oil overflow collecting basin for the connection of an oil separator (standard feature)
- carrier oscillation device for the rinsing of the removed particles in the bath (optional feature)
- hinged flap-top noise reduction cover (optional feature)
- automatic safety switch-off at a bath temperature of 90°C for the protection of the cleaning items against excess temperatures
- drain duct mounted to the unit side, made of V2A stainless steel

Technical data

Mains voltage (Vac)	400 V	Basket internal dimensions W/D/H (mm)	464 / 368 / 296
Mains connection	3 Ph. / 1N / 1 PE	Basket mesh size (mm)	30 / 30 / 2
Power consumption total (W)	7800 ¹ / 9000 ² / 8800 ³	Basket loading max. (kg)	100
Ultrasonic power effective (W)	2000 ¹ / 3200 ² / 3000 ³	Unit-Weight (kg)	on request
Ultrasonic peak performance max.* (W)	8000 ¹ / 12800 ² / 12000 ³	Drain	1"
Heating (W)	5800	Protection class	IP 21
Unit outer dimensions W/D/H (mm)	940 / 815 / 1020	¹ bottom sound designed ² 2-side sound designed ³ 3-side sound desinged	
Tank service dimensions W/D/H (mm)	795 / 400 / 515	* The signal form of the wave results in a factor 4 for the ultrasonic peak max.	
Tank service volume V (L)	191,8		
Overflow capacity (litre)	15		

