

Elmasonic S 1600 HM

Ultrasonic cleaning unit

Elma-Order Nos.

Elmasonic S 1600 HM (230 V)	102 7378
Elmasonic S 1600 HM (400 V with N)	102 9562
Elmasonic S 1600 HM (400 V without N)	106 3510
Elmasonic S 1600 HM (440 V without N)	102 8054



Specially designed ultrasonic cleaning unit for the use in the marine sector. Perfect for the cleaning of metal screens. The deep ultrasonic tank and the support frame that can be screwed to the floor makes the unit particularly suitable for the use at sea. Support frame, stainless-steel basket and stainless-steel cover are included in delivery.

Product features

- ultrasonic tank made of V2A stainless steel
- slanted tank floor to facilitate the draining of the cleaning liquid
- sandwich-type performance transducer systems
- integrated sweep mode for a continuous shifting of sound field maxima, guarantees a more homogeneous sound field distribution in the bath
- activatable pulse mode for an intensified ultrasonic cleaning power for tenacious contaminations; also the operational readiness of the unit (cavitation threshold reached) after an exchange of the cleaning liquid or after an exchange of baskets is optimized (through a shortening of the cleaning periods)
- heating with temperature setting from 30°C – 80°C
- temperature-controlled ultrasonic operation: ultrasound starts automatically as soon as the preset temperature is reached
- automatic safety switch-off after 12 h operation to prevent unintended permanent operation
- automatic safety switch-off at 90 °C to protect the cleaning items against excess temperatures
- indication of set values and actual values on LED display
- housing made of V2A stainless steel
- support frame for the safe and stable mounting of the unit to the ship floor
- drain duct made of V2A stainless steel, ball valve made of brass, nickel-plated

Technical data

Mains connection version 220-240 V~	1 phase, 1N, 1PE	Tank internal dimensions W / D / H (mm)	650 / 500 / 520
Mains connection version 400 V~	3 phases, 1N, 1PE	Tank max. volume (lit.)	165
Mains connection version 440 V~	3 phases, 1PE	Tank labour volume (lit.)	100
Ultrasonic frequency (kHz)	37	Basket inner dimensions W / D / H (mm)	585 / 410 / 240
Power consumption total (W)	3050	Mesh size of the basket (mm)	12 x 1.5
Ultrasonic power effective (W)	800	Weight (kg)	78
Ultrasonic peak performance max. (W)	3200	Material tank	stainless steel V2A
Heating power (W)	2200	Material casing	stainless steel V2A
Adjustable heating	30 – 80°C	Drain	3/4"
Unit outer dimensions W / D / H (mm)	740 / 730 / 830*	Protection class	IP 23

*Height incl. support frame