

Ultrasonic cleaning unit



Elmasonic S 450 H

The new Elmasonic S units are available in 11 different sizes ranging from 0,5 litres to 90 litres. State of the art microprocessor controlled ultrasonic cleaning and sweep technology. The user-friendly LED-display ensures an excellent operation.

Further advantages:

- high performance 37 kHz sandwich transducer systems
- cleaning tank made of cavitation-resistant stainless steel
- user-friendly and clear operating panel, splash water proof
- LED-Display showing set and remaining time of cleaning period
- Turning knob for setting continued and short-period operation from 1 to 30 min.
- temperature-controlled ultrasonic operation
- sweep function for an optimised sound field distribution in the cleaning liquid by frequency modulation
- degas function for the efficient degassing of the cleaning liquid and for laboratory purposes
- auto degas function for automatic degassing cycles, i.e. with fresh cleaning liquids
- dry-run protected heating
- Turning knob temperature. Temperature range variable in 5°C steps from 30° up to 80°C
- LED-Display for pre-set and actual temperature
- plug-in mains supply
- Plastic carrying handles, heat conducting
- Turning handle for tank drainage at side of unit for simple get effective draining of tank

Technical data

Mains voltage (Vac)	200-240 V
Mains frequency (Hz)	50 / 60
Ultrasonic frequency (kHz)	37
Power consumption total (W)	2000
Ultrasonic power effective (W)	400
Ultrasonic peak performance max.* (W)	1600
Heating power (W)	1600
Unit outer dimensions W / D / H (mm)	615 / 370 / 467
Tank internal dimensions W / D / H (mm)	500 / 300 / 300
Max. filling volume tank (lit. / gal.)	45 / 6
Basket inner dimensions W / D / H (mm)	455 / 270 / 194
Mesh size of the basket (mm)	9x1
Weight (kg)	25
Material tank	stainless steel
Material casing	stainless steel
Drain	1/2
Carrying handles (plastic)	✓
CE Richtlinie 89/336 EWG (EEC)	✓
CE Richtlinie 73/23 EWG (EEC)	✓
Protection class	IP 23

Elma Order Nos.

Elmasonic S 450 H (200-240 V)	100 3908
Basket stainless steel	207 056 0000
Lid (stainless steel)	207 055 0000
Further accessories on request	

* S 10 – S 15 H: impulse wave form; S 30 – S 900 H: standard sine-wave modulation

The choice of the waveform has been matched to the relevant tank size. The signal form of the wave results in a factor 4 or 8 for the ultrasonic peak max., depending on the modulation of the wave.