

# Elmasonic S 450 H

## Ultrasonic cleaning unit

### Elma Order Nos.

Elmasonic S 450 H (230 V)	100 3908
Basket stainless steel	100 9030
Cover (stainless steel)	100 9050

Further accessories on request



Pictured S 450 H

The new Elmasonic S units are available in 16 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
- LED-Display for pre-set and actual temperature
- plug-in mains supply
- Plastic carrying handles, heat conducting
- Turning knob for tank drainage at side of unit for simple get effective draining of tank

### Technical data

Mains voltage (Vac)	220-240 V	Weight (kg)	25
Max. filling volume tank (lit. / gal.)	45 / 11.89	Material tank	stainless steel
Ultrasonic frequency (kHz)	37	Material casing	stainless steel
Power consumption total	2000	Drain	1/2"
Ultrasonic power effective (W)	400	Carrying handles (plastic)	√
Ultrasonic peak performance max.**(W)	1600	CE-compliant	√
Heating power (W)	1600	Protection class	IP 20
Unit outer dimensions W / D / H (mm)	615 / 370 / 467		
Tank internal dimensions W / D / H (mm)	500 / 300 / 300		
Basket internal dimensions W / D / H (mm)	455 / 270 / 194		

\*\* 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.