

# Elmasonic S 90 H

## Ultrasonic cleaning unit

### Elma Order Nos.

Elmasonic S 90 H (220-240 V)	100 9535
Elmasonic S 90 H (115-120 V)	on request
Stainless steel tray holder for semi-tray cassettes	100 9778
Basket stainless steel	100 9780
Basket stainless steel ½ size	100 9718
Cover stainless steel	101 0081
Stainless steel cover with hole for one beaker	100 9550
Glass beaker 1000 ml	207 035 0000
Further accessories on request	



Pictured S 90 H

Specifically designed and suitable for cleaning of semi-tray cassettes with max. dimensions of 140 x 205 x 45 mm or for simultaneous use of one beaker and one basket for cleaning instruments.

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
- ergonomically shaped plastic handles
- Turning knob for tank drainage at side of unit for simple get effective draining of tank

### Technical data

Mains voltage (Vac)	115-120 V/220-240 V	Weight (kg)	5.5
Max. filling volume tank (lit.)	7.4	Material tank	stainless steel
Ultrasonic frequency (kHz)	37	Material casing	stainless steel
Power consumption total	550	Drain	3/8"
Ultrasonic power effective (W)	150	Carrying handles (plastic)	√
Ultrasonic peak performance max.**(W)	600	CE-compliant	√
Heating power (W)	400	Protection class	IP 20
Unit outer dimensions W / D / H (mm)	400 / 180 / 295		
Tank internal dimensions W / D / H (mm)	325 / 130 / 175		
Basket internal dimensions W / D / H (mm)	289 / 124 / 75		

\*\* 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.