

# Elmasonic S 180 (H)

## Ultrasonic cleaning unit

### Elma Order Nos.

Elmasonic S 180 (230 V)	100 4662
Elmasonic S 180 (115 V)	100 7155
Elmasonic S 180 H (230 V)	100 2877
Elmasonic S 180 H (115 V)	100 7156
Basket stainless steel	100 4275
Lid (plastic)	100 3286
Further accessories on request	



Pictured S 180 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 (applies only for units with heating)
- 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 (applies only for units with heating)
- Turning knob temperature (applies only for units w. heating). Temperature range variable in 5°C steps from 30° up to 80°C
- LED-Display for pre-set and actual temperature (applies only for units with heating)
- plug-in mains supply (S 10 – S 300H)
- 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)	100-120 V/220-240 V	Max. filling volume tank (lit. / gal.)	18 / 4.76
Mains frequency (Hz)	50 / 60	Weight (kg)	8,5
Ultrasonic frequency (kHz)	37	Material tank	stainless steel
Power consumption total S 180 (W)	200	Material casing	stainless steel
Power consumption total S 180 H (W)	1000	Drain	3/8"
Ultrasonic power effective (W)	200	Carrying handles (plastic)	√
Ultrasonic peak performance max.**(W)	800	CE directive 89/336 EWG (EEC)	√
Heating power (units w. heating) (W)	800	CE directive 73/23 EWG (EEC)	√
Unit outer dimensions W / D / H (mm)	390 / 340 / 321	Protection class	IP 20
Tank internal dimensions W / D / H (mm)	327 / 300 / 200	** 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.	