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## Ultrasonic cleaning unit



Pictured S 180 H

### Elmasonic S 180 / S 180 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 (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 with 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 or 220-240 V
Mains frequency (Hz)	50 / 60
Ultrasonic frequency (kHz)	37
Power consumption total S 180 (W)	200
Power consumption total S 180 H (W)	1000
Ultrasonic power effective (W)	200
Ultrasonic peak performance max.* (W)	800
Heating power (units with heating) (W)	800
Unit outer dimensions W / D / H (mm)	390 / 340 / 321
Tank internal dimensions W / D / H (mm)	327 / 300 / 200
Max. filling volume tank (lit. / gal.)	18 / 5
Basket inner dimensions W / D / H (mm)	280 / 250 / 115
Mesh size of the basket (mm)	9x1
Weight (kg)	8,5
Material tank	stainless steel
Material casing	stainless steel
Drain	3/8"
Carrying handles (plastic)	✓
CE Richtlinie 89/336 EWG (EEC)	✓
CE Richtlinie 73/23 EWG (EEC)	✓
Protection class	IP 20

### 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	

\* 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.

Subject to technical and optical changes reserved Elma\_ch\_12/04