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## Ultrasonic cleaning unit



Pictured S 70 H

### Elmasonic S 70 / S 70 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
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### 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 70 (W)	150
Power consumption total S 70 H (W)	750
Ultrasonic power effective (W)	150
Ultrasonic peak performance max.* (W)	300
Heating power (units with heating) (W)	600
Unit outer dimensions W / D / H (mm)	568 / 179 / 214
Tank internal dimensions W / D / H (mm)	505 / 137 / 100
Max. filling volume tank (lit. / gal.)	6,9 / 1 <sup>3</sup> / <sub>4</sub>
Basket inner dimensions W / D / H (mm)	465 / 106 / 55
Mesh size of the basket (mm)	9x1
Weight (kg)	5,6
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 23

### Elma Order Nos.

Elmasonic S 70 (230 V)	100 4650
Elmasonic S 70 (115 V)	100 7146
Elmasonic S 70 H (230 V)	100 2140
Elmasonic S 70 H (115 V)	100 7147
Basket stainless steel	100 4247
Lid (plastic)	100 3283
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.