



Ultrasonic cleaning unit



Pictured S 80 H

Elmasonic S 80 / S 80 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 80 (W)	150
Power consumption total S 80 H (W)	750
Ultrasonic power effective (W)	150
Ultrasonic peak performance max.* (W)	600
Heating power (units with heating) (W)	600
Unit outer dimensions W / D / H (mm)	568 / 179 / 264
Tank internal dimensions W / D / H (mm)	505 / 137 / 150
Max. filling volume tank (lit. / gal.)	9,4 / 2½
Basket inner dimensions W / D / H (mm)	455 / 106 / 80
Mesh size of the basket (mm)	9x1
Weight (kg)	6,4
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 80 (230 V)	100 4653
Elmasonic S 80 (115 V)	100 7148
Elmasonic S 80 H (230 V)	100 2170
Elmasonic S 80 H (115 V)	100 7150
Basket stainless steel	100 4265
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.