

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



Technical data

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|---|------------------------|
| 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.