

Elmasonic S 300 (H)

Ultrasonic cleaning unit

Elma Order Nos.

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|--------------------------------|----------|
| Elmasonic S 300 (230 V) | 100 4669 |
| Elmasonic S 300 (115 V) | 100 7157 |
| Elmasonic S 300 H (230 V) | 100 3033 |
| Elmasonic S 300 H (115 V) | 100 7158 |
| Basket stainless steel | 100 4271 |
| Cover (plastic) | 100 3287 |
| Further accessories on request | |



Pictured S 300 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

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|---|---------------------|--|-----------------|
| Mains voltage (Vac) | 100-120 V/220-240 V | Max. filling volume tank (lit. / gal.) | 28 / 7.4 |
| Ultrasonic frequency (kHz) | 37 | Weight (kg) | 11,0 |
| Power consumption total S 180 (W) | 300 | Material tank | stainless steel |
| Power consumption total S 180 H (W) | 1500 | Material casing | stainless steel |
| Ultrasonic power effective (W) | 300 | Drain | 3/8" |
| Ultrasonic peak performance max.**(W) | 1200 | Carrying handles (plastic) | √ |
| Heating power (units w. heating) (W) | 1200 | CE-compliant | √ |
| Unit outer dimensions W / D / H (mm) | 568 / 340 / 321 | Protection class | IP 20 |
| Tank internal dimensions W / D / H (mm) | 505 / 300 / 200 | | |
| Basket internal dimensions W / D / H (mm) | 455 / 250 / 115 | | |

** 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.