

## Elmasonic S 80 (H)

### Ultrasonic cleaning unit

#### 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 |          |



Pictured S 80 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

|   |                     |  |                 |
|---|---------------------|--|-----------------|
| Mains voltage (Vac)                     | 100-120 V/220-240 V | Max. filling volume tank (lit. / gal.) | 9,4 / 2.48      |
| Mains frequency (Hz)                    | 50 / 60             | Weight (kg)                            | 6,4             |
| Ultrasonic frequency (kHz)              | 37                  | Material tank                          | stainless steel |
| Power consumption total S 80 (W)        | 150                 | Material casing                        | stainless steel |
| Power consumption total S 80 H (W)      | 750                 | Drain                                  | 3/8"            |
| Ultrasonic power effective (W)          | 150                 | Carrying handles (plastic)             | √               |
| Ultrasonic peak performance max.**(W)   | 600                 | CE directive 89/336 EWG (EEC)          | √               |
| Heating power (units w. heating) (W)    | 600                 | CE directive 73/23 EWG (EEC)           | √               |
| Unit outer dimensions W / D / H (mm)    | 568 / 179 / 264     | Protection class                       | IP 20           |
| Tank internal dimensions W / D / H (mm) | 505 / 137 / 150     |  |                 |

\*\* 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.