

Elmasonic S 120 (H)

Ultrasonic cleaning unit

Elma Order Nos.	
Elmasonic S 120 (230 V)	100 4658
Elmasonic S 120 (115 V)	100 7153
Elmasonic S 120 H (230 V)	100 2825
Elmasonic S 120 H (115 V)	100 7154
Basket stainless steel	100 4277
Lid (plastic)	100 3285
Further accessories on request	



Pictured S 120 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.)	12,75 / 3.37
Mains frequency (Hz)	50 / 60	Weight (kg)	7,5
Ultrasonic frequency (kHz)	37	Material tank	stainless steel
Power consumption total S 120 (W)	200	Material casing	stainless steel
Power consumption total S 120 H (W)	1000	Drain	3/8"
Ultrasonic power effective (W)	200	Carrying handles (plastic)	\checkmark
Ultrasonic peak performance max.**(W)	800	CE directive 89/336 EWG (EEC)	\checkmark
Heating power (units w. heating) (W)	800	CE directive 73/23 EWG (EEC)	\checkmark
Unit outer dimensions W / D / H (mm)	365 / 278 / 321	Protection class	IP 20
Tank internal dimensions W / D / H (mm)	300 / 240 / 200	** 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	

size. The signal form of the wave results in a factor 4 or 8 for the ultrasonic peak max., depending on the modu- $\frac{1}{2}$ lation of the wave.