Elmasonic P 120 H

Ultrasonic cleaning unit

Elma Order Nos.

Elmasonic P 120 H (230 V)	101 3777
Elmasonic P 120 H (115 V)	103 8103
Basket stainless steel	100 4277
Cover (plastic)	100 3285
Further accessories on request	

The Elmasonic P is the ideal unit for professional applications in analytical and medical laboratories and in industrial production processes.The unit series consists of 6 different unit sizes with tank capacities ranging from 2.75 to 28 litre. Microprocessor-controlled ultrasonic cleaning with multi-frequency technology (37/80 kHz) and special features are perfect for intensive cleaning tasks and laboratory applications. As the units are more powerful than standard ultrasonic cleaning units, and the ultrasonic power can be reduced electronically depending on the cleaning task.

Further advantages

- ultrasonic tank made of cavitation-proof stainless steel
- casing made of stainless steel, hygienic and easy to clean
- sandwich-type performance transducer systems
- two ultrasonic frequencies, switchable in one unit: 37 kHz und 80 kHz
  37 kHz: for the removal of coarse contaminations and for mixing, dissolving, dispersing and degassing
  80 kHz: perfect for the cleaning of capillaries and fort he use in quiet work areas, prolonged cleaning period
- automatic frequency switch-over for simultaneous coarse and fine cleaning
- activatable Sweep mode for an optimised sound field distribution within the cleaning bath
- activatable Pulse mode for an intensified ultrasonic cleaning power, additional ultrasonic power up to 20%
- activatable Degas mode for the quick degassing of HPLC samples or solvents and of fresh cleaning liquids
- Auto Degas mode for an automatic degassing cycle, e.g. for fresh cleaning liquids
- ultrasonic power variable for sensitive surfaces
- temperature-controlled ultrasonic operation: ultrasound starts automatically as soon as the preset temperature is reached
- indication of unit settings (e.g. set and actual values) by alphanumerical display
- saving of the last unit settings at switch-off
- electronic turning knobs
- drain duct mounted to the unit rear, operation of the drain duct on the unit side
- automatic stirring during heating-up process
- pluggable mains cable
- automatic safety switch-off after 12 h operation to prevent unintended permanent operation
- automatic safety switch-off at 90 °C to protect the cleaning items against excess temperatures

Technical data

Mains voltage (Vac)	230 or 115 V
Ultrasonic frequency (kHz)	37 / 80
Power consumption total P 120 H (W)	1400
Ultrasonic power effective (W)	330
Ultrasonic peak performance max.(W)	1320
Heating power (W)	1000
Unit outer dimensions W/D/H (mm)	365 / 278 / 321
Tank internal dimensions W/D/H (mm)	300 / 240 / 200
Basket internal dimensions W/D/H (mm)	250 / 190 / 115
Max. filling volume tank (lit.)	12.75

Weight (kg)	7.5
Material tank	stainless steel V2A
Material casing	stainless steel V2A
Drain	3/8“
CE-compliant	√
Protection class	IP 20
Sound pressure level (LpAU) * (dB)	63 / 56
Ultrasonic sound level (LpZ) ** (dB)	97 / 95

* Sound pressure level measured with basket and cover at a distance of 1 m
** Ultrasonic sound level measured with basket and cover at a distance of 1 m

Subject to technical and optical changes reserved Elma_ch_01/10