

Elmasonic S 350 R

Ultrasonic unit for the cleaning of analysing sieves, for the degassing of solvents and for all standard laboratory applications

Elma Order Nos.

Elmasonic S 350 R (220-240 V)	105 8453
Basket	106 2233
Stainless-steel cover	106 3389
Sieve holder	on request
Further accessories on request	



Elmasonic S 350 R

Elmasonic S 350 R „Lab Technology“ - the latest ultrasonic technology for the cleaning of analysing sieves, the degassing of HPLC solvents and the processing of samples. Microprocessor-controlled ultrasonic modes and special predefined programmes assist every standard laboratory and cleaning application.

Sieve analysis as a standard process in the analytical laboratory or in the food and environmental laboratory works perfectly only if the particles are removed from the sieve to the last grain.

Sieve cleaning process: The analysing sieve supported by the sieve holder is placed into the ultrasonic tank. The special „sieve cleaning“ programme uses two ultrasonic modes alternatingly which creates powerful cleaning pulses and leads to perfect cleaning results.

HPLC solvents are degassed in Erlenmeyer flasks or in solvent bottles. The HPLC flask or bottle is immersed into the tank filled with water and some surface-active agent. The special Degas mode degasses the liquid reliably within approx. 30 minutes. The gas is „collected“ to form large bubbles which are taken to the surface and then out of the liquid in short operating breaks. The Degas mode can also be used for the degassing of samples in the food sector, e.g. for the removal of carbon dioxide.

Another feature is the ultrasonic mode „sample prep.“ for standard applications such as mixing, dissolving, cleaning, etc.

Product features

- special programs for cleaning of sieves and sample preparation
- special efficient Degas mode (gas liftout effect)
- high-performance 37 kHz transducers
- ultrasonic tank made of cavitation-resistant stainless steel with height tabs
- usable Ø range for sieves up to 500 mm
- turning knob for setting continued and short-period operation from 1 to 30 min
- LED display for both pre-set and actual temperature and for the remaining operating time
- 1/2" ball valve on the unit back
- detachable mains cable

Technical data

Mains voltage (Vac)	115-120 V/220-240 V	Max. tank service capacity (litre)	57.0
Ultrasonic frequency (kHz)	37	Weight (kg)	21.0
Power consumption total (W)	600	Material tank	stainless steel
Ultrasonic power effective (W)	600	Material casing	stainless steel
Ultrasonic peak performance max.*(W)	2400	Carrying handles	√
External dimensions dia / H (mm)	650 / 455	CE compliance	√
Tank internal dimensions dia / H (mm)	600 / 245	Protection class	IP 20
Basket internal dimensions dia / H (mm)	545 / 70		
usable sieve Ø range (mm)	up to 500		

* The signal form of the wave results in a factor 4 for the ultrasonic peak performance