



Proven technology. More individuality.

Elmasonic Select



Areas of use

Powerful and individual - these are the ultrasonic cleaning devices of the Elmasonic Select series.

Equipped with 37 kHz ultrasonic frequency, 5 ultrasonic modes, the possibility to save up to 4 cleaning programmes, a heating and tank volumes from 3 to 90 litres (from Select 60 with drain), Elmasonic Select devices are versatile.

Application-specific cleaning chemicals and practical accessories such as baskets, noise protection box, holders, etc. ensure the best cleaning results and make cleaning easier.

Developed for

Research and development laboratories •
Pharmaceutical and industrial-analytical laboratories • Work and repair shops • Metal processing companies • Manufacturers of industrial components • Watchmakers • Jewellers • Watch and jewellery workshops



Cleans

Laboratory instruments such as test tubes, glass pipettes and burettes • Industrial components and parts such as carburettors, filters • Watch components such as hinges, clasps, housings • Jewellery such as earrings, bracelets - with and without gem stones



Removes

Resins • Oil and grease • Adhesive residues • Grinding and polishing pastes • Chips • Flux agents • Organic contamination such as horn and skin residues • Wear dirt

Prepares samples

Degassing • Dispersing • Emulsifying • Homogenising • Deagglomerating • Thermosensitive incubations • Lyses • Biochemical assays





Individual



Adjustable cleaning programmes

- Memory for 4 individual cleaning programmes
- Cleaning process in the ultrasonic cleaning device can be called up for reproducible results
 - Fast switching between favourite programmes



To configure

The auto-degas mode removes disturbing air bubbles in the cleaning liquid and thus leads to better cleaning results. For temperature-sensitive parts or temperature-sensitive processes, the limit temperature can be set individually and the display changed to °C / °F.

Strong



5 ultrasonic modes for best cleaning results and easy sample preparation

- dynamic:** Combines the ultrasonic modes pulse and sweep to increase the overall cleaning performance
- pulse:** Removes even stubborn contaminations through a pulsating sound field distribution
- sweep:** Uniform distribution of the ultrasonic power for most cleaning tasks

- eco:** For gentle cleaning with quiet operation and for a longer service life of the ultrasonic cleaning device
- degas:** Quick degassing of freshly prepared cleaning solutions and (HPLC) samples

Intuitive



Clear and simple

Clear, easy-to-read display showing all relevant parameters e.g. remaining cleaning time, set/actual temperature for precise adjustment.



With feedback

The user is always informed about the operating status of the device via clear symbols for e.g. end of cleaning or overtemperature as well as acoustic and visual feedback.

Application oriented



With matching accessories

Plastic lids ensure quieter operation and serve as drip trays for baskets and parts. Further accessories such as holders, inserts or noise protection boxes facilitate the work for the most diverse cleaning tasks.



Through industry-specific cleaning chemistry

The industry-specific cleaning chemistry is ecologically and economically optimised. Overviews for the selection of suitable cleaners with application and dosing aids are available.



Technical Details

	30	40	60	80	100	120	150	180	300	500	900
Total capacity V (l)	2.7	3.9	5.9	9.3	9.3	12.9	14.6	17.8	27.5	49.7	89.0
Tank int. dimensions W/D/H (in.) Unit	9.5/5.4/3.9	9.4/5.4/5.9	11.8/5.9/5.9	19.9/5.4/5.9	11.8/9.4/5.9	11.8/9.4/7.9	19.9/11.8/3.9	12.9/11.8/7.9	19.9/11.8/7.9	19.7/13.0/11.4	23.6/19.7/11.2
ext. dimensions W/D/H (in.) Ultrasonic	12.0/6.7/9.1	12.0/6.7/11.0	14.6/8.3/10.8	22.4/7.7/11.0	15.0/11.8/11.0	15.0/11.8/13.0	22.6/14.2/9.1	15.9/14.2/13.0	22.6/14.2/13.0	30.5/16.7/19.9	34.4/23.4/19.9
power effective ±10% (W) Ultrasonic	120	120	150	150	150	200	300	200	300	540	960
peak power max.* (W) Heating	480	480	600	600	600	800	1200	800	1200	2160	3840
power (W)	200	200	400	600	400	800	800	800	1200	1600	2000
Basket int. dimensions W/D/H (in.)	7.7/4.1/2.0	7.5/4.1/3.0	10.0/4.5/3.0	17.9/4.2/3.0	10.0/7.9/2.8	9.8/7.5/4.3	17.9/9.8/1.8	11.0/9.8/4.5	17.9/9.8/4.3	18.1/11.8/7.7	21.5/18.1/7.5


* The signal form of the wave results in a factor 4 for the ultrasonic peak max., depending on the modulation of the wave.

Technical specifications serve as orientation values and are subject to tolerances due to production and manufacturing. Proper operation can only be guaranteed when using original Elma accessories.



Model

Description

NES30		Elmasonic Select 30 Ultrasonic Cleaner, 0.75 Gallon
NES40		Elmasonic Select 40 Ultrasonic Cleaner, 1 Gallon
NES60		Elmasonic Select 60 Ultrasonic Cleaner, 1.5 gallon
NES100		Elmasonic Select 100 Ultrasonic Cleaner, 2.5 gallon 115V
NES80		Elmasonic Select 80 Ultrasonic Cleaner, 2.5 gallon
NES120		Elmasonic Select 120 Ultrasonic Cleaner, 3.5 gallon
NES180		Elmasonic Select 180 Ultrasonic Cleaner, 5 gallon
NES150		Elmasonic Select 150 Ultrasonic Cleaner, 4 gallon
NES300		Elmasonic Select 300 Ultrasonic Cleaner, 7.5 gallon
NES500		Elmasonic Select 500 Ultrasonic Cleaner, 13 gallon
NES900		Elmasonic Select 900 Ultrasonic Cleaner, 24 gallon

