

ДИА•М
современная лаборатория

www.dia-m.ru
заказ on-line



Ultrasonics.Steam.Ultraclean.



Ultrasonic Cleaning Units

Elmasonic P

The most professional way to use ultrasound

- Multi-frequency units with 37 kHz and 80 kHz, available in 6 different sizes for typical and difficult analysing and cleaning applications
- 7 special ultrasonic features and intuitive, user-friendly operation display
- Power-controlled ultrasound with high energy density for difficult applications (low frequency) or gentle and quiet for the cleaning of capillaries and small items (high frequency)

www.elma-ultrasonic.com

Elmasonic P with multi-frequency

The units of the Elmasonic P ultrasonic series are ideal helpers for all applications in analytical and medical laboratories as well as for applications in the industrial production. 6 different unit sizes are available. The practical units are easy to operate with a clearly arranged display showing all set and actual parameters. Several special features make the units perfect for intensive cleaning applications and for laboratory jobs.

Multi-frequency

- Standard applications are carried out at **37 kHz**. All units are considerably more powerful than conventional ultrasonic units. If the high energy density should prove too strong for individual cleaning jobs, it can be reduced electronically.
- Operating the unit at **80 kHz** prolongs the cleaning time and is ideal for the treatment of very small and sensitive items. Even tiny capillaries are reached by the imploding microscopic cavitation bubbles. A positive side effect is the comfortably low noise level at this frequency.

Unit Features

- Normal:**
for laboratory applications, e.g. mixing, dissolving and dispersing
- Pulse-function:**
activatable additional power through increased peak performance
- Sweep:**
for a uniform distribution of the ultrasonic power throughout the tank
- Degas:**
for the quick degassing of samples and HPLC solvents
- Power control:**
optimised power regulation for special cleaning and laboratory applications
- Pause:**
interrupts the operation
- Auto-Start:**
automatic start when set temperature is reached

Technical Data

| | P 30H | P 60H | P 70H | P 120H | P 180H | P 300H |
|---------------------------------------|--------------------|--------------------|--------------------|-----------------|-----------------|-----------------|
| Ultrasonic frequency (kHz) | 37 / 80 | 37 / 80 | 37 / 80 | 37 / 80 | 37 / 80 | 37 / 80 |
| Ultrasonic power effective (W) | 120 / 100 | 180 / 150 | 220 | 330 | 330 | 380 |
| Ultrasonic peak power (W) | 480 / 400 | 720 / 600 | 880 | 1320 | 1320 | 1520 |
| Heating power (W) | 250 | 500 | 750 | 1000 | 1000 | 1250 |
| Power consumption total (W) | 370 / 350 | 680 / 650 | 970 | 1330 | 1330 | 1630 |
| Voltage (V) | 115–120 or 220–240 | 115–120 or 220–240 | 115–120 or 220–240 | 220–240 | 220–240 | 220–240 |
| Volume (l) | 2.75 | 5.75 | 6.9 | 12.75 | 18.0 | 28.0 |
| Unit external dimensions W/H/D (mm) | 300 / 179 / 221 | 365 / 186 / 271 | 568 / 179 / 221 | 365 / 278 / 321 | 390 / 340 / 321 | 568 / 340 / 321 |
| Tank internal dimensions W/H/D (mm) | 240 / 137 / 100 | 300 / 151 / 150 | 505 / 137 / 100 | 300 / 240 / 200 | 327 / 300 / 200 | 505 / 300 / 200 |
| Basket internal dimensions W/H/D (mm) | 198 / 106 / 50 | 255 / 115 / 75 | 465 / 106 / 50 | 250 / 190 / 115 | 280 / 250 / 115 | 455 / 250 / 115 |
| Drain duct V4A | 3/8" | 3/8" | 3/8" | 3/8" | 3/8" | 3/8" |



000 «Диаэм»

Москва
ул. Магаданская, д. 7, к. 3 ■ тел./факс: (495) 745-0508 ■ sales@dia-m.ru

www.dia-m.ru

С.-Петербург
+7 (812) 372-6040
spb@dia-m.ru

Новосибирск
+7 (383) 328-0048
nsk@dia-m.ru

Воронеж
+7 (473) 232-4412
vrn@dia-m.ru

Йошкар-Ола
+7 (927) 880-3676
nba@dia-m.ru

Красноярск
+7 (923) 303-0152
krsk@dia-m.ru

Казань
+7 (843) 210-2080
kazan@dia-m.ru

Ростов-на-Дону
+7 (863) 303-5500
rnd@dia-m.ru

Екатеринбург
+7 (912) 658-7606
ekb@dia-m.ru

Кемерово
+7 (923) 158-6753
kemerovo@dia-m.ru

Армения
+7 (094) 01-0173
armenia@dia-m.ru

