

Elmasonic P

Product features and functions

- Ultrasonic frequency switchable between 37 kHz and 80 kHz (control range -2.5 / +5.5 kHz)
 - 37 kHz: For removing coarse contaminants and for mixing, dissolving, dispersing and degassing
 - 80 kHz: Ideal for cleaning capillaries as well as for use in quiet work areas while extending application time
- 4 ultrasonic modes for need-based sound field distribution in the ultrasonic bath
 - sweep mode, can be switched on: uniform cleaning due to even sound field distribution in the ultrasonic bath
 - pulse mode, can be switched on: removal of even stubborn soiling by pulsating sound field distribution
 - degas mode: Fast degassing of the cleaning liquid and for special applications in the laboratory area
 - auto-degas mode: For automatic degassing cycle e.g. with newly prepared cleaning liquid
- The ultrasonic power is adjustable from 30 - 100 % in steps of 10
- Autostart function for temperature-controlled start of cleaning
- Electronic selector switch with wipe-clean membrane keypad and easy-to-read display to indicate all operating states
- Pre-selection of cleaning time: cleaning time adjustable between 1 minute and 60 minutes
- Electronic temperature control adjustable in steps of 5 °C from 30 - 80 °C (can be switched to °F; temperature tolerance -5 / +8 °C)
- Storage of the last device setting when the device is switched off
- Dry run protection
- Automatic safety shutdown after 12 hours and at 90 °C bath temperature
- Splash-proof case and cleaning tank made of stainless steel
- Shut-off valve on the side for emptying the cleaning tank via the outlet on the rear of the device (not for Elmasonic P 30H SE)
- 2-year warranty from the initial operation, but no longer than 3 years from the production date

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.

Elmasonic P

Technical Data - Mechanics

| Elmasonic P | 30H (SE) | 60H | 70H | 120H | 180H | 300H |
|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Total capacity V (l) | 2,7 | 5,9 | 6,9 | 12,9 | 17,8 | 27,5 |
| Recom. operating capacity V _a (l) | 1,9 | 4,3 | 5,2 | 9,0 | 12,9 | 20,6 |
| Unit ext. dimensions W / D / H (mm) | 300 / 179 / 221 | 365 / 186 / 271 | 568 / 179 / 221 | 365 / 278 / 321 | 390 / 340 / 321 | 568 / 340 / 321 |
| Tank int. dimensions W ₁ / D ₁ / H ₁ (mm) | 220 / 120 / 95 | 275 / 125 / 145 | 485 / 115 / 95 | 275 / 215 / 195 | 300 / 270 / 195 | 475 / 270 / 195 |
| Opening dimensions W ₂ / D ₂ (mm) | 235 / 135 | 295 / 145 | 500 / 135 | 295 / 235 | 325 / 295 | 500 / 295 |
| Weight (kg) | 3,3 | 5,1 | 5,6 | 7,5 | 8,5 | 11,0 |
| Drain hose - ID (mm) | 12,0 | | | | | |

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Technical Data - Electronics and noise levels

| Elmasonic P | 30H (SE) | 60H | 70H | 120H | 180H | 300H |
|---|-------------------|-----------|-----|------|------|------|
| Mains voltage (V~) | 100-120 / 220-240 | | | | | |
| Mains frequency (Hz) | 37 / 80 | | | | | |
| Power consumption total (W) | 370 / 350 | 680 / 650 | 970 | 1330 | 1330 | 1630 |
| Ultrasonic power effective $\pm 10\%$ (W) | 120 / 100 | 180 / 150 | 220 | 330 | 330 | 380 |
| Ultrasonic peak power max.** (W) | 480 / 400 | 720 / 600 | 880 | 1320 | 1320 | 1520 |
| Heating power (W) | 250 | 500 | 750 | 1000 | 1000 | 1250 |
| Temperature (°C) | 30 - 80 | | | | | |
| Protection class | IP 20 | | | | | |

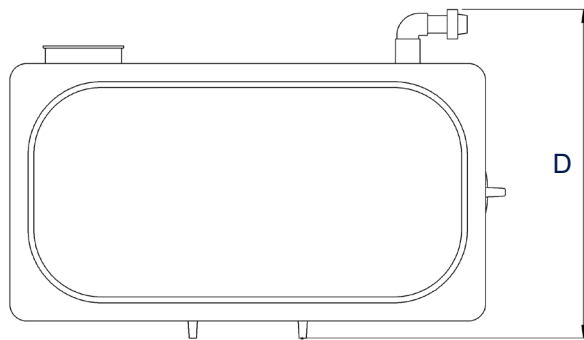
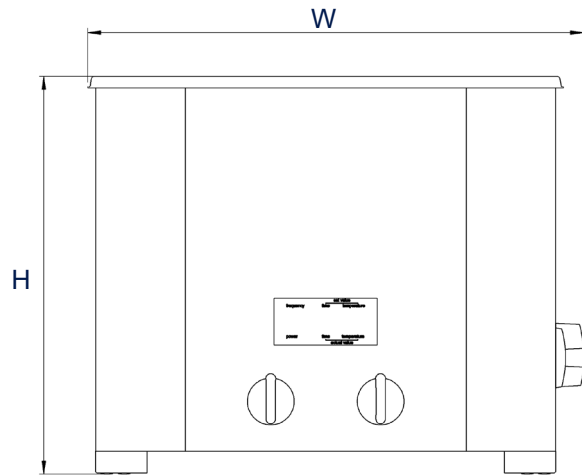
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Dimension definition

Unit outer dimensions

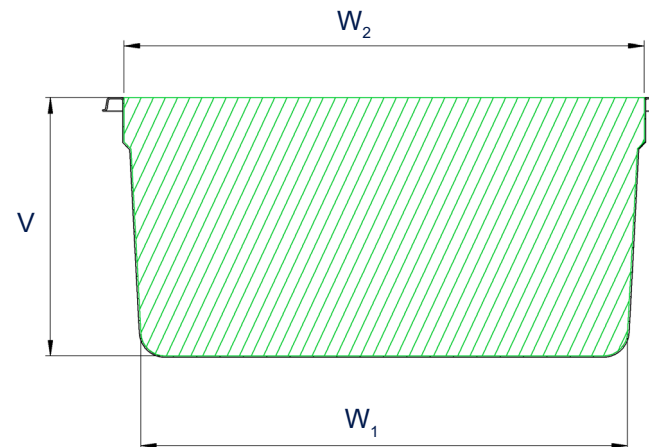
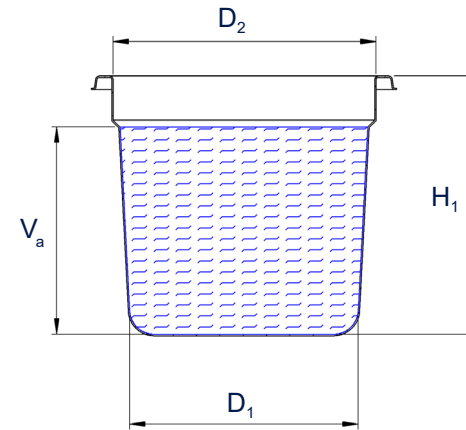
Elmasonic P 30H - 300H



Tank internal dimensions

Elmasonic P 30H - 300H

V_a : recommended operating capacity of the cleaning tank
(The actual operating capacity depends on the load.)



The drawings are meant as a visualization aid and are not true to scale.

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