

Elmasonic P

Product features and functions

<ul style="list-style-type: none">• Ultrasonic frequency switchable between 37 kHz and 80 kHz (control range -2.5 / +5.5 kHz)
<ul style="list-style-type: none">• 37 kHz: For removing coarse contaminants and for mixing, dissolving, dispersing and degassing
<ul style="list-style-type: none">• 80 kHz: Ideal for cleaning capillaries as well as for use in quiet work areas while extending application time
<ul style="list-style-type: none">• 4 ultrasonic modes for need-based sound field distribution in the ultrasonic bath
<ul style="list-style-type: none">• sweep mode, can be switched on: uniform cleaning due to even sound field distribution in the ultrasonic bath
<ul style="list-style-type: none">• pulse mode, can be switched on: removal of even stubborn soiling by pulsating sound field distribution
<ul style="list-style-type: none">• degas mode: Fast degassing of the cleaning liquid and for special applications in the laboratory area
<ul style="list-style-type: none">• auto-degas mode: For automatic degassing cycle e.g. with newly prepared cleaning liquid
<ul style="list-style-type: none">• The ultrasonic power is adjustable from 30 - 100 % in steps of 10
<ul style="list-style-type: none">• Autostart function for temperature-controlled start of cleaning
<ul style="list-style-type: none">• Electronic selector switch with wipe-clean membrane keypad and easy-to-read display to indicate all operating states
<ul style="list-style-type: none">• Pre-selection of cleaning time: cleaning time adjustable between 1 minute and 60 minutes
<ul style="list-style-type: none">• Electronic temperature control adjustable in steps of 5 °C from 30 - 80 °C (can be switched to °F; temperature tolerance -5 / +8 °C)
<ul style="list-style-type: none">• Storage of the last device setting when the device is switched off
<ul style="list-style-type: none">• Dry run protection
<ul style="list-style-type: none">• Automatic safety shutdown after 12 hours and at 90 °C bath temperature
<ul style="list-style-type: none">• Splash-proof case and cleaning tank made of stainless steel
<ul style="list-style-type: none">• 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)

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.

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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					

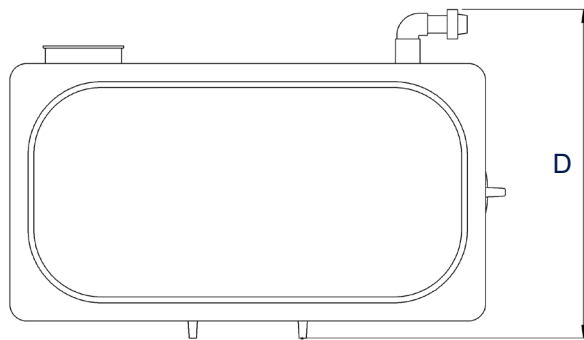
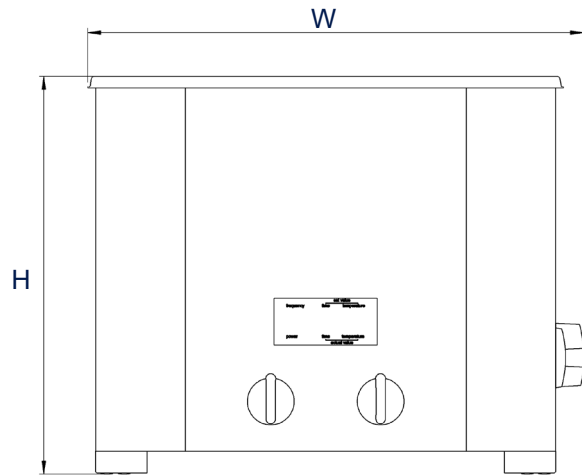
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Dimension definition

Unit outer dimensions

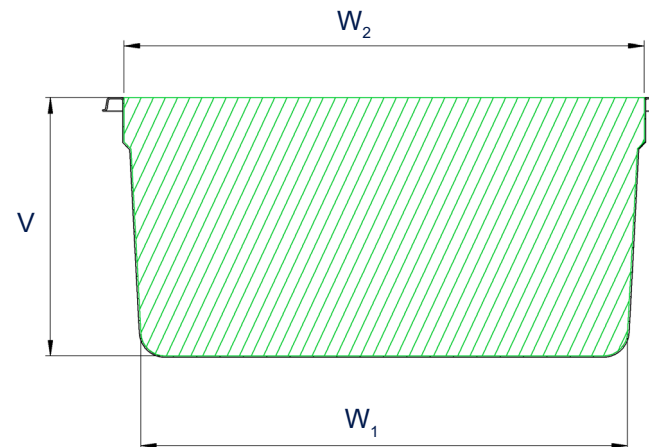
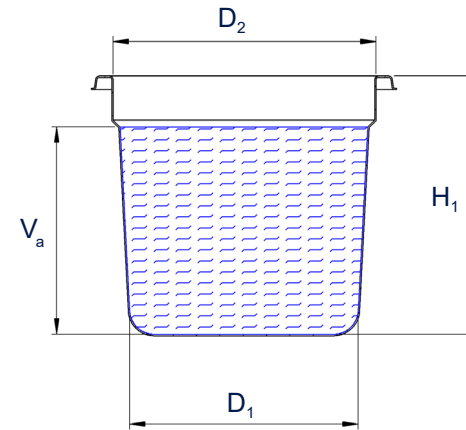
Elmasonic P 30H - 300H



Tank internal dimensions

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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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