Product Information and Prices

Elma

Elmasonic P

Ultrasonic cleaning devices

Order numbers and list prices

Elmasonic P	30H	30H SE*	60H	70H	120H	180H	300H
Order number 220 - 240 V~	1013737	1046694	1013761	1013735	1013777	1013804	1013810
Order number 115 - 120 V~	1033218	1048321	1033240	1033325	1038103	1038158	1038008
List price	1.000,00 €	1.000,00 €	1.380,00 €	1.470,00 €	2.080,00 €	2.290,00 €	2.660,00 €

Scope of delivery

· Operating manual
· Power cable with rubber connector (2 m length)
· Hose connection grommet (not on Elmasonic P 30H SE), drain hose not included

*Unit without drain

All prices ex works, excluding packaging.

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.

2022_06_28_Subject to technical and visual modifications.

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
· 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

Product Information and Prices

Elmasonic P

Technical Data - Mechanics

Elmasonic P	30H (SE)	60H	70H	120H	180H	300H
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 / 395
Weight (kg)	3,3	5,1	5,6	7,5	8,5	11,0
Drain hose - ID (mm)	12,0					

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 - 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 ±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					
Sound pressure level (LpAU)***	< 70 dB					
Ultrasonic sound level (LpZ)***	< 105 dB					

** The signal form of the wave results in a factor 4 for the ultrasonic peak max., depending on the modulation of the wave.
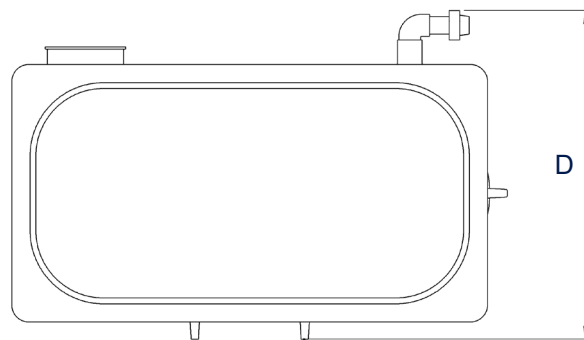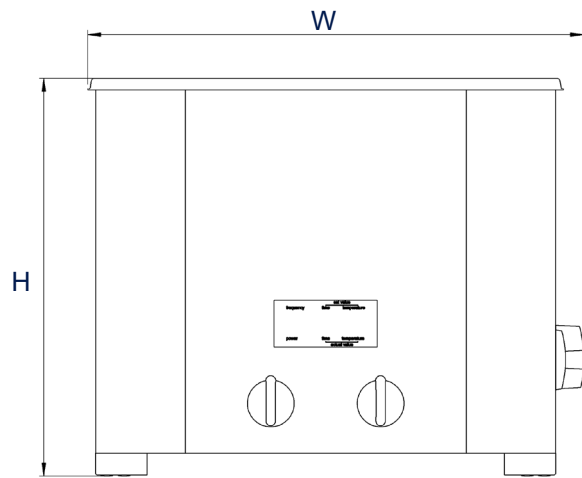*** Measured sound pressure level with basket and cover at 1 m distance.

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.

2022_06_28_Subject to technical and visual modifications.

Product Information and Prices

Elma

Elmasonic P
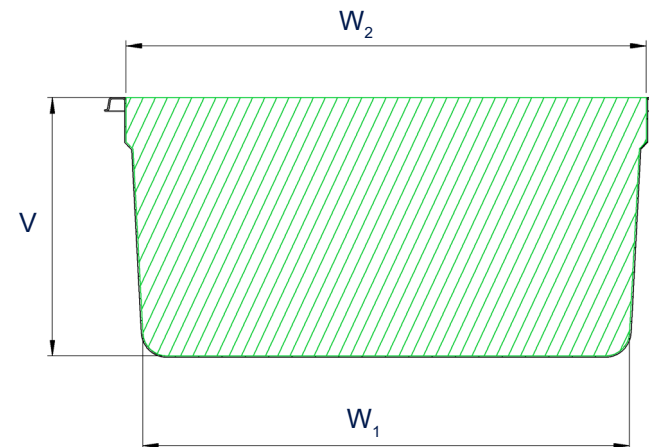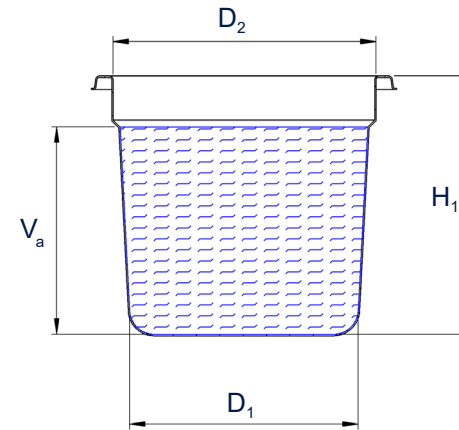
Dimension definition

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.

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.

Elma Schmidbauer GmbH · Gottlieb-Daimler-Str. 17 · 78224 Singen (Germany) · Tel. +49 7731 882-0 · Fax +49 7731 882-266 · www.elma-ultrasonic.com

5/5