Product Information

Elmasonic Easy R

Ultrasonic cleaning devices

Order numbers

Elmasonic Easy	50 R	350 R
Order number 220 - 240 V~	1120119	1120120

Scope of delivery

- Ultrasonic unit
- Cover or, turned over, usable as a drip tray for a basket (50 R)
- Stainless steel lid (350 R)
- Hose connector for drain (350 R)
- Power cable with rubber connector (2 m length)
- Manual

Elmasonic Easy R

Product features and functions

▪ 37 kHz ultrasonic frequency (control range -2,5 / +5,5 kHz)
▪ 4 ultrasonic modes for demand-oriented sound field distribution and sample preparation in the ultrasonic bath
▪ general cleaning sweep mode: General cleaning tasks. Ensures a more homogeneous distribution of cavitation (mechanical cleaning action) in the bath.
▪ sieve cleaning mode: Increased ultrasonic intensity for the most stubborn soiling, saves time. For optimal cleaning of test sieves.
▪ sample preparation mode: Sweep and pulse alternately for homogeneous and strong cleaning. For sample preparation such as mixing, dissolving, dispersing, cleaning, etc.
▪ degas mode: more effective, faster and more reliable. Fast degassing of HPLC solvents
▪ Electronic selector switches on wipeable membrane keypad and LED display of all operating states
▪ Pre-selection of cleaning time: cleaning time adjustable between 1 minute and 30 minutes or continuous operation adjustable (ultrasonic continuous operation max. 6 hours)
▪ Acoustic and optical signal at the end of cleaning
▪ Safety switch-off with wake-up function
▪ after 8 hours of inactivity
▪ in case of a brief interruption of the power supply
▪ Automatic shutdown of ultrasonic operation at a bath temperature > 90 °C
▪ Splash-proof housing and cleaning tray made of stainless steel
▪ Stopcock for emptying the cleaning tank via the drain at the rear of the unit (350 R)
▪ Different fill level possible for different container sizes. Saving of water and medium (50 R)
▪ 2-year warranty from the initial operation, but no longer than 3 years from the production date

Product Information

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Technical Data - Mechanics

Elmasonic Easy	50 R	350 R
Total capacity V (l)	6,0	69,0
Recom. operating capacity V_a (l)	3,0 - 5,0	59,0
Unit ext. dimensions W / D / H (mm)	345 / 295 / 345	675 / 795 / 505
Tank int. dimensions Dia / H_1 (mm)	Ø 240 / 140	Ø 595 / 245
Weight incl. cover (kg)	5,0	21,0
Drain hose - ID (mm)	--	12,0
Basket int. dimensions W_2 / H_2 (mm)	Ø 220	Ø 545
Total basket loading (kg)	4,0	10,0

Technical Data - Electronics and noise levels

Elmasonic Easy	50 R	350 R
Mains voltage (V~)	220 - 240	220 - 240
Mains frequency (Hz)	50 / 60	50
Power consumption total (W)	150	650
Ultrasonic power effective ±10% (W)	150	650
Ultrasonic peak power max.* (W)	600	2600
Protection class	IP 20	
Sound pressure level (LpAU)**	< 80 dB	

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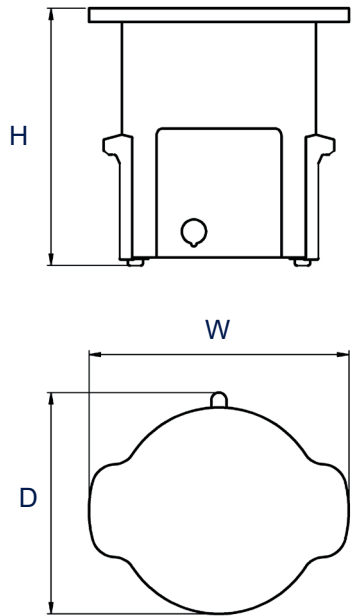** Measured sound pressure level with basket and cover at 1 m distance.

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.
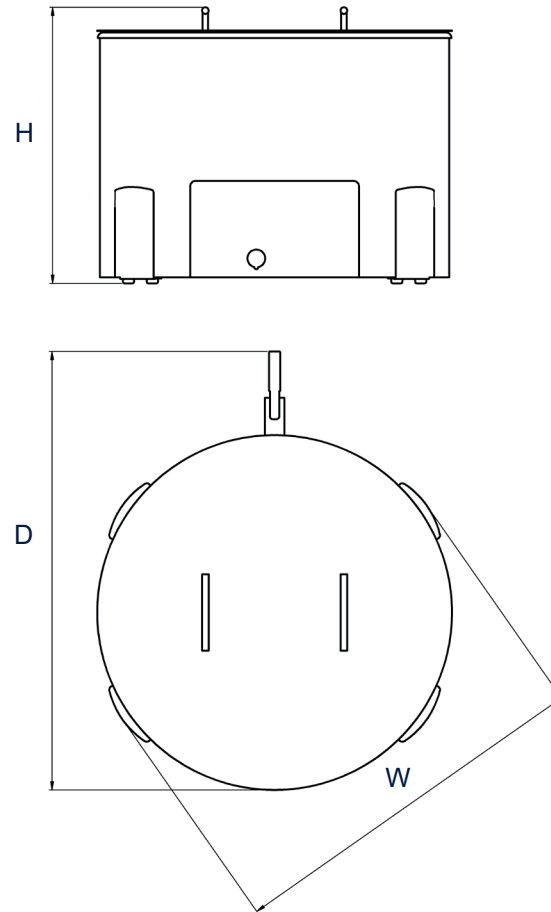
Elmasonic Easy R

Dimension definition

Unit outer dimensions
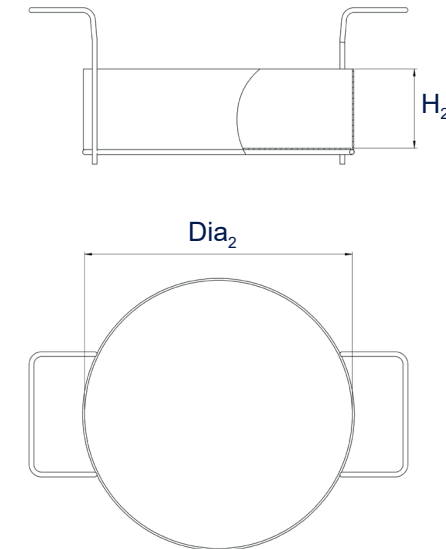
Unit size 50R

Unit size 350R

Tank internal dimensions

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

Basket internal dimensions

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

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