

## Elmasonic S Round

Ultrasonic cleaning devices



### Order numbers and list prices

Elmasonic S Round	50 R	350 R
Order number 220 - 240 V~	1045437	1058453
Order number 100 - 120 V~	1049548	--

### Scope of delivery

▪ Operating manual
▪ Power cable with rubber connector (2 m length)

## Elmasonic S Round

### Product features and functions

- |   |
|---|
| ▪ 37 kHz ultrasonic frequency (control range -2.5 / +5.5 kHz)   |
| ▪ 3 ultrasonic modes for demand-oriented sound field distribution and sample preparation in the ultrasonic bath |
| ▪ sieve cleaning mode: For optimum cleaning of test sieves  |
| ▪ sample preparation mode: For standard tasks such as mixing, dissolving, dispersing, cleaning, etc.            |
| ▪ degas mode: Fast degassing of HPLC solvents   |
| ▪ Auto-degas mode: For automatic degassing cycle e.g. with newly prepared cleaning liquid                       |
| ▪ Electronic selector switches on wipeable membrane keypad and LED display of operating states                  |
| ▪ Preselection of cleaning time: Cleaning time adjustable between 1 minute and 30 minutes                       |
| ▪ Automatic safety shutdown after 12 hours  |
| ▪ 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 (only for Elmasonic S 350 R)    |
| ▪ Connection for laboratory stand on the rear of the instrument   |
| ▪ 2 years warranty from initial start-up, but maximum 3 years from production date                              |

## Elmasonic S Round

### Technical Data - Mechanics

Elmasonic S	50 R	350 R
Recom. operating capacity V <sub>a</sub> (l)	3,0 - 5,0	57,0
Unit ext. dimensions W / D / H (mm)	305 / 290 / 335	640 / 790 / 455
Tank int. dimensions Dia / H <sub>1</sub> (mm)	240 / 140	600 / 245
Weight incl. cover (kg)	5,0	21,0

### Technical Data - Electronics and noise levels

Elmasonic S	50 R	350 R
Mains voltage (V~)	100 - 120 / 220 - 240	220 - 240
Mains frequency (Hz)	50 / 60	
Power consumption total (W)	150	600
Ultrasonic power effective $\pm 10\%$ (W)	150	600
Ultrasonic peak power max.* (W)	600	2400
Protection class	IP 20	
Sound pressure level (LpAU)**	< 70 dB	< 70 dB
Ultrasonic sound level (LpZ)**	< 105 dB	< 110 dB

\* The signal form of the wave results in a factor 4 for the ultrasonic peak max., depending on the modulation of the wave.

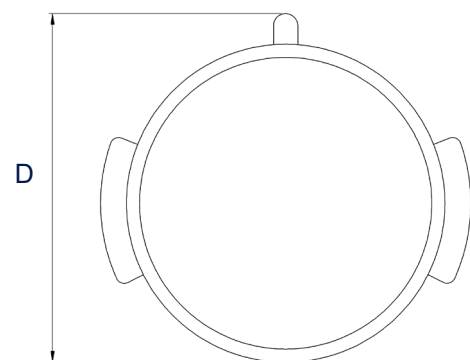
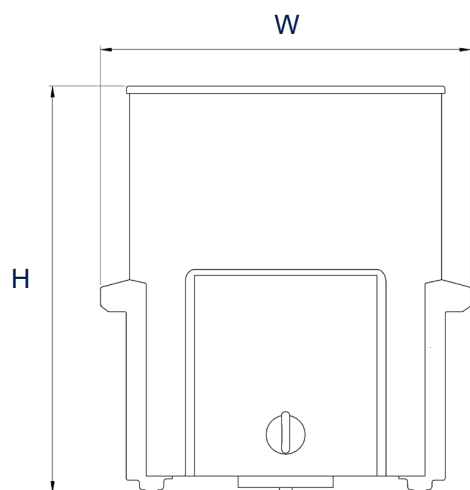
\*\* Measured sound pressure level with basket and cover at 1 m distance.

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 S Round

### Dimension definition

#### Unit outer dimensions



#### Tank internal dimensions

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



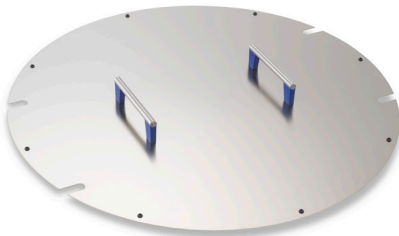
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## Elmasonic SR Accessories - Covers

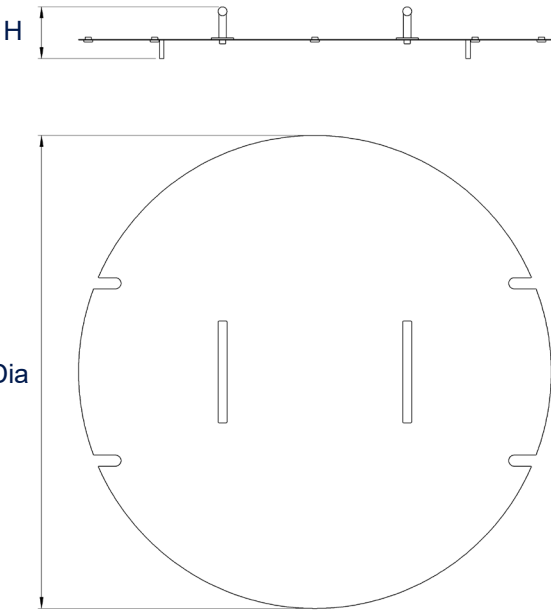
made of stainless steel

- reduce the noise of the ultrasonic cleaning
- save energy and costs by reducing waste heat and collecting / recirculating the water vapour



Elmasonic S	350 R
Order number	1063389
List price	180,00 €
External dimensions Dia / H (mm)	640 / 70

### Dimension definition



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## Elmasonic SR Accessories - Covers

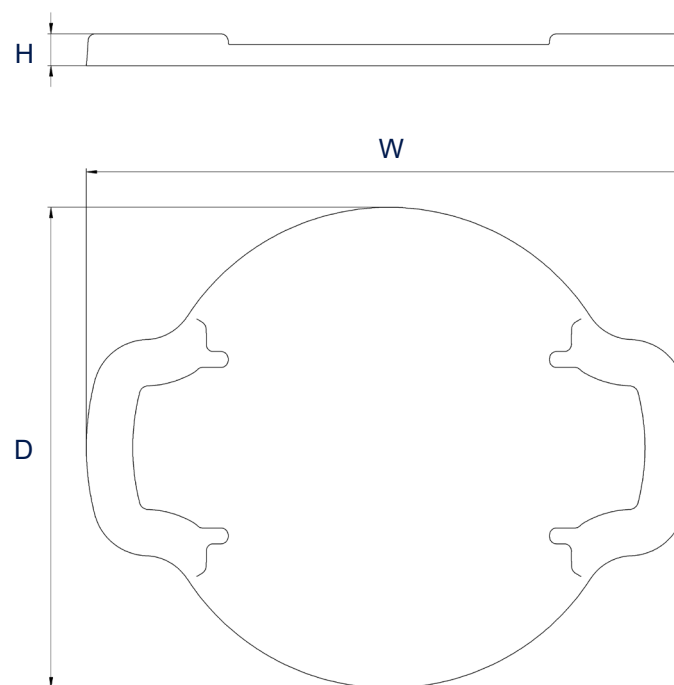
made of plastic

- available in cobalt blue (RAL 5013)\*<sup>1</sup> and ultramarine blue (RAL 5002)\*<sup>2</sup>
- reduce the noise of the ultrasonic cleaning
- save energy and costs by collecting and recirculating evaporating water from the ultrasonic bath
- serve upside down as a drip tray for the basket and cleaned parts



Elmasonic S	50 R
Order number cobalt blue (RAL 5013)	1086909
Order number ultramarine blue (RAL 5002)* <sup>1</sup>	1046008
List price	30,00 €
Ext. dimensions W / D / H (mm)	345 / 275 / 20

### Dimension definition



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## Elmasonic SR Accessories - Covers

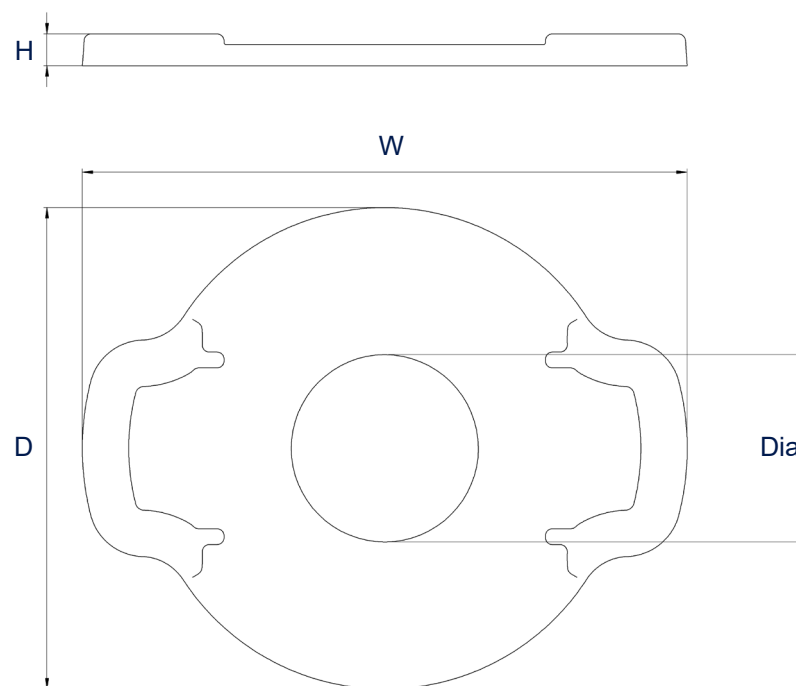
made of plastic

- ultramarine blue (RAL 5002)
- to be placed on the ultrasonic cleaning device
- for 1 cleaning glass



Elmasonic S	50 R
Order number	1049787
List price	26,50 €
Ext. dimensions W / D / H (mm)	345 / 275 / 20
Diameter cover hole Dia (mm)	95

### Dimension definition



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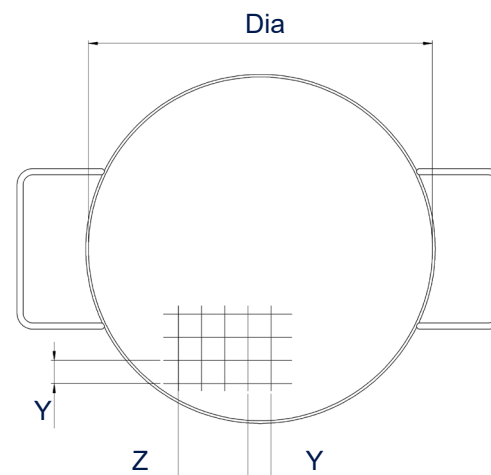
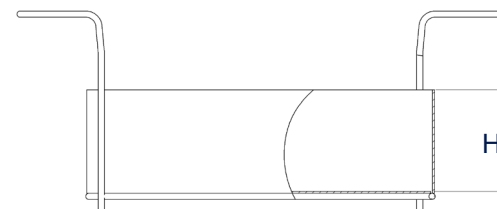
## Elmasonic SR Accessories - Baskets

- made of stainless steel and with Rilsan-coated handles



Elmasonic S	50 R	350 R
Order number	1046006	1062233
List price	130,00 €	350,00 €
Basket int. dimension Dia / H (mm)	220 / 65	545 / 70
Mesh size Y x Z (mm)	10 x 1,6	10 x 1,6

### Dimension definition



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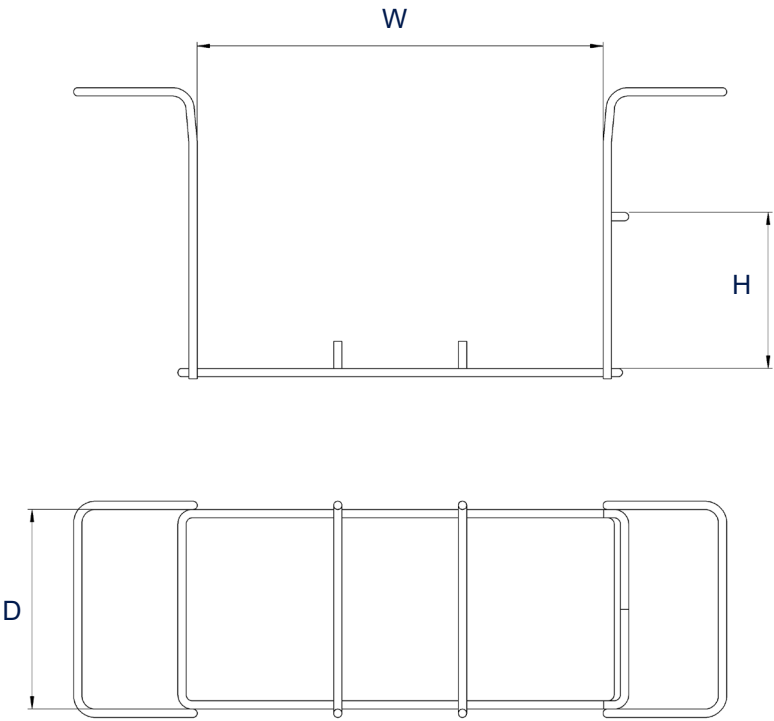
## Elmasonic SR Accessories - Baskets

- made of stainless steel and with Rilsan-coated handles



Elmasonic S	50 R
Order number	1049704
List price	66,00 €
Basket int. dimension W / D / H (mm)	195 / 95 / 75

Dimension definition



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