

SONOREX TECHNIK
RM 112 - Module series

High-power ultrasonic baths and rinsing baths
for aqueous cleaning solutions

- RM 112 UH: Ultrasonic bath with heating
- RM 112 U: Ultrasonic bath without heating
- RM 112 H: Rinsing bath with heating, without ultrasound
- RM 112: Rinsing bath without heating, without ultrasound



RM 112 UH

	RM 112 UH	RM 112 U	RM 112 H	RM 112
Code No.	9102 - 40 kHz 9101 - 25 kHz	9104 - 40 kHz 9103 - 25 kHz	9105	9106
Oscillating tank / rinsing tank				
Internal dimensions, l x w x d	600 x 450 x 450/470* mm, *inclined tank bottom			
Fill level mark from the middle of the bottom	360 mm			
Upper edge overflow gutter from the middle of the bottom	415 mm			
Tank edges	rounded, radius 20			
Capacity	145 l			
Operating volume up to fill level mark	115 l			
Filling volume up to upper edge overflow gutter	130 l			
Material	stainless steel AISI 316L, 2 mm, welded			
Outlet / Inlet	3-way ball valve G 1 incl. hose and hose sockets, on the left side; brass, galvanically coated			
Overflow, tightly welded	ball valve G 1 incl. hose socket, on the right side; brass, galvanically coated			
Overflow gutter	one the right side			
Sprinkle tube	on the left side			
Tank bottom	inclined			

	RM 112 UH	RM 112 U	RM 112 H	RM 112
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Ultrasound					
Ultrasonic peak output corresponds to 4 times ultrasonic nominal output	4000 W		-		
Ultrasonic nominal output	1000 W		-		
Ultrasonic frequency	40 kHz or 25 kHz		-		
Pulse function	✓				
PZT oscillating systems	20 pieces at tank bottom		-		
Control	turning knob			-	
Time setting	1 – 15 min and ∞		-		
Temperature control					
Heating, thermostatically adjustable	30 – 80 °C	-	30 – 80 °C	-	
Heating power	4800 W	-	4800 W	-	
Housing					
External dimensions, l × w × h	780 × 610 × 800 mm				
Material	stainless steel AISI 304				
Handles	on the sides				
Degree of protection	IP 32				
Feet	4 height adjustable feet				
Power supply					
Mains supply	400 V 3N~ (± 10 %), 50/60 Hz				
Power consumption	5.8 kW	1.0 kW	4.9 kW	-	
Current consumption per phase	max. 10.5 A	max. 4.4 A	max. 10.5 A	-	
Leakage current	< 3.5 mA	< 3.5 mA	< 3.5 mA	-	
Mains cable	3 m, fixed at the unit, with three-phase plug CEKON 16 A				
Environmental conditions					
Permissible ambient temperature	5 – 40 °C				
Permissible relative humidity to 31 degree	80 %				
Permissible relative humidity to 40 degree	50 %				
Shipping information					
Weight	net gross	74 kg 102 kg	69 kg 97 kg	62 kg 90 kg	57 kg 85 kg
Packing, l × w × h	1 special pallet 1100 × 750 × 1100 mm				
Customs tariff No. unit	85437090	85437090	73269098	73269098	
CE-marked	✓				

Accessories

Type	Code No.	Description
MK 110	8423	insert basket, stainless steel load up to 20 kg internal dimensions 530 x 410 x 90 mm, l x w x d mesh size 12.5 x 12.5 mm
MK 110 S	8476	insert basket, stainless steel load up to 40 kg internal dimensions 530 x 410 x 90 mm, l x w x d mesh size 12.5 x 12.5 mm
MK 110 B	8417	insert basket, stainless steel, applicable for lifting device MB load up to 20 kg internal dimensions 530 x 410 x 90 mm, l x w x d mesh size 12.5 x 12.5 mm
MK 110 BS	8481	insert basket, stainless steel, applicable for lifting device MB load up to 40 kg internal dimensions 530 x 410 x 90 mm, l x w x d mesh size 12.5 x 12.5 mm
MD 110	8446	lid, stainless steel
TB 110	8403	drop plate, stainless steel, between two tanks if using a MB



Supplementary equipment

WG 110-2	8520	rack for 2 tanks, in connection with MB 110 B
WG 110-3	8521	rack for 3 tanks, in connection with MB 110 B
WG 110-4	8522	rack for 4 tanks, in connection with MB 110 B
MB 110	8310	lifting device with oscillation, for one unit
MB 110 B	8314	lifting device with oscillation, in connection with WG 110
KV 112	8456	cascade tube between two tanks
HA 112	8497	planing head holder stainless steel
LU 110	8432	air agitation for rinsing baths compressed air connection up to 6 bar



MB 110 B with WG 110-2



KV 112



HA 112



LU 110

Peripheral units

Type	Code No.	Description	
FA 110	8611	filtration with pre- and main filter incl. connection kit	 <p>FA 620 + APF 110/180/210</p>
OX 110	8603A	oil separator incl. connection kit	 <p>OX 500 + AOX 110/180/210</p>
WA 110	8635A	DI-water-preparation device incl. connection kit	 <p>WA 500 + AWA 110/180/210</p>
TO 110	8337	trough dryer, internal dimensions 600 x 500 x 350 mm, l x w x d	

Caution!
Do not use combustible liquids, acids, chemicals containing chloride ions and household cleaners.
Do not place items on the tank bottom.
Recommendation: Special cleaning agents TICKOPUR