

SONOREX TECHNIK

RM 212 - Module series

High-power ultrasonic baths and rinsing baths
for aqueous fluids

RM 212 UH:	Ultrasonic bath with heating
RM 212 U:	Ultrasonic bath without heating
RM 212 H:	Rinsing bath with heating, without ultrasound
RM 212:	Rinsing bath without heating, without ultrasound



RM 212 UH

	RM 212 UH	RM 212 U	RM 212 H	RM 212
Code No.	9302 - 40 kHz 9301 - 25 kHz	9304 - 40 kHz 9303 - 25 kHz	9305	9306

Oscillating tank / rinsing tank

Internal dimensions, l × w × d	750 × 650 × 500/520 mm, inclined tank bottom
Filling level mark from the middle of the tank bottom upper edge overflow gutter from the middle of the tank bottom	410 mm 465 mm
Tank edges	rounded, radius 20
Capacity	285 l
Operating volume up to filling level mark	230 l
Filling volume up to upper edge overflow gutter	260 l
Tank 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	on the right side
Sprinkle tube	on the left side
Tank bottom	inclined

RM 212 UH	RM 212 U	RM 212 H	RM 212
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Ultrasound

Ultrasonic peak power corresponds to 4 times ultrasonic nominal power	2 × 4000 W	-	
Ultrasonic nominal power	2 × 1000 W	-	
Ultrasonic frequency	40 kHz or 25 kHz	-	
Pulse function	✓	-	
Oscillating systems	40 pieces at tank bottom	-	
Control	turning knob		-
Time setting	1 – 15 min and continuous operation	-	

Temperature control

Adjustable temperature range	30 – 80 °C	-	30 – 80 °C	-
Heating power	7200 W	-	7200 W	-

Housing

External dimensions , l × w × h	930 × 810 × 800 mm
Housing 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	9.2 kW	2.0 kW	7.2 kW	-
Current consumption per phase	max. 14.8 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

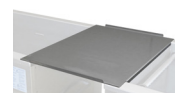
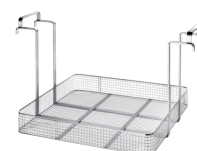
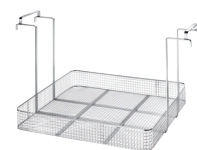
Permissible ambient temperature	5 – 40 °C
Permissible relative humidity to 31 °C	80 %
Permissible relative humidity to 40 °C	50 %

Shipping information

Weight, net	112 kg	104 kg	92 kg	84 kg
Packing, l × w × h	1 special pallet 1200 × 1000 × 1100 mm			

Accessories

Type	Code No.	Description
MK 210	8425	insert basket, stainless steel load up to 20 kg internal dimensions 680 × 610 × 90 mm, l × w × d mesh size 12.5 × 12.5 mm
MK 210 S	8478	insert basket, stainless steel load up to 40 kg internal dimensions 680 × 610 × 90 mm, l × w × d mesh size 12.5 × 12.5 mm
MK 210 B	8419	insert basket, stainless steel, applicable for lifting device MB load up to 20 kg internal dimensions 680 × 610 × 90 mm, l × w × d mesh size 12.5 × 12.5 mm
MK 210 BS	8483	insert basket, stainless steel, applicable for lifting device MB load up to 40 kg internal dimensions 680 × 610 × 90 mm, l × w × d mesh size 12.5 × 12.5 mm
MD 210	8448	lid, stainless steel
TB 210	8405	drop plate, stainless steel, between two tanks if using a MB



Supplementary equipment

WG 210-2	8526	rack for 2 tanks, in connection with MB 210 B
WG 210-3	8527	rack for 3 tanks, in connection with MB 210 B
WG 210-4	8528	rack for 4 tanks, in connection with MB 210 B
MB 210	8312	lifting device with oscillation, for one unit
MB 210 B	8316	lifting device with oscillation, in connection with WG 210
KV 212	8458	cascade tube between two tanks



MB 210 B with WG 210-2



KV 212

Peripheral units

Type	Code No.	Description
FA 210	8613	filtration with pre- and fine filter incl. connection kit
OX 210	8605A	oil separator incl. connection kit
WA 210	8637A	DI-water-preparation device incl. connection kit
TO 210	8339	trough dryer internal dimensions 750 x 650 x 500 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

Subject to technical alterations without notice. Dimensions subject to production tolerances.
Illustrations exemplary, not true to scale. Decoration products are not included in delivery.

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BANDELIN electronic GmbH & Co. KG
Heinrichstraße 3 – 4
12207 Berlin
Deutschland

www.bandelin.com
info@bandelin.com
☎ : +49 30 768 80-0
📠 : +49 30 773 46 99

Zertifiziert nach
ISO 9001
ISO 13485