

SONOREX TECHNIK

RM 210 Module series

High-power ultrasonic baths for aqueous liquids

RM 210 UH – Ultrasonic bath with heating

RM 210 U – Ultrasonic bath without heating

RM 210 H – Rinsing bath with heating, without ultrasound

RM 210 – Rinsing bath without heating, without ultrasound



RM 210 UH

Type	RM 210 UH	RM 210 U	RM 210 H	RM 210
Code No.	8270 – 40 kHz 8280 – 25 kHz	8271 – 40 kHz 8281 – 25 kHz	8272	8273

Oscillating tank / rinsing tank







Internal dimensions, l × w × d [mm]	750 × 650 × 500	750 × 650 × 500	750 × 650 × 500	750 × 650 × 500
Filling level mark from the tank bottom [mm]	400	400	400	400
Upper edge overflow gutter from the tank bottom [mm]	455	455	455	455
Tank edges	rectangular form	rectangular form	rectangular form	rectangular form
Capacity [l]	270,0	270,0	270,0	270,0
Operating volume up to filling level mark [l]	210,0	210,0	210,0	210,0
Filling volume to overflow gutter [l]	245,0	245,0	245,0	245,0
Tank material and thickness [mm]	stainless steel AISI 316L / 2,0, welded	stainless steel AISI 316L / 2,0, welded	stainless steel AISI 316L / 2,0, welded	stainless steel AISI 316L / 2,0, welded
Outlet / Inlet	3-way ball valve G 1 incl. hose and hose sockets, brass - galvanically coated, at the left side	3-way ball valve G 1 incl. hose and hose sockets, brass - galvanically coated, at the left side	3-way ball valve G 1 incl. hose and hose sockets, brass - galvanically coated, at the left side	3-way ball valve G 1 incl. hose and hose sockets, brass - galvanically coated, at the left side
Overflow	ball valve G 1 incl. hose socket, tightly welded, brass - galvanically coated, at the right side	ball valve G 1 incl. hose socket, tightly welded, brass - galvanically coated, at the right side	ball valve G 1 incl. hose socket, tightly welded, brass - galvanically coated, at the right side	ball valve G 1 incl. hose socket, tightly welded, brass - galvanically coated, at the right side
Overflow gutter	at the right side	at the right side	at the right side	at the right side
Sprinkle tube	at the left side	at the left side	at the left side	at the left side
Tank bottom	straight	straight	straight	straight

Ultrasound







Ultrasonic peak power [W]	2 × 4000 - corresponds to 4 times ultrasonic nominal power -	2 × 4000 - corresponds to 4 times ultrasonic nominal power -	-	-
Ultrasonic nominal power [W]	2 × 1000	2 × 1000	-	-

Type	RM 210 UH	RM 210 U	RM 210 H	RM 210
Pulse function	✓	✓	-	-
Ultrasonic frequency [kHz]	40 or 25	40 or 25	-	-
Oscillating systems	40 pieces at tank bottom	40 pieces at tank bottom	-	-
Time setting [min]	1 - 15, continuous operation	1 - 15, continuous operation	-	-
Control	turning knob	turning knob	-	-
Temperature control				
Heating, thermostatically adjustable [°C]	30 - 80	-	30 - 80	-
Heating power [W]	7200	-	7200	-
Control	turning knob	-	turning knob	-
Housing				
External dimensions, l × w × h [mm]	930 × 750 × 800	930 × 750 × 800	930 × 750 × 800	930 × 750 × 800
Housing material	stainless steel AISI 304	stainless steel AISI 304	stainless steel AISI 304	stainless steel AISI 304
Handles	on sides	on sides	on sides	on sides
Degree of protection	IP 32	IP 32	IP 32	IP 32
Feet	4 height adjustable feet	4 height adjustable feet	4 height adjustable feet	4 height adjustable feet
Power supply				
Mains supply [V]	400 V~3NPE 50/60 Hz	400 V~3NPE 50/60 Hz	400 V~3NPE 50/60 Hz	-
Current consumption [A] max. per phase	14,8	4,4	10,5	-
Leakage current [mA]	< 3,5	< 3,5	< 3,5	-
Mains cable	3 m, fixed at the unit, with three-phase plug CEKON 16 A	3 m, fixed at the unit, with three-phase plug CEKON 16 A	3m, fixed at the unit, with three-phase plug CEKON 16 A	-
Environmental conditions				
Permissible ambient temperature [°C]	5 - 40	5 - 40	5 - 40	5 - 40
Permissible relative humidity to 31 degreeC [%]	80	80	80	80
Permissible relative humidity to 40 degreeC [%]	50	50	50	50
Shipping information				
Weight [kg]	net 112,2 gross 150,6	net 102,0 gross 140,4	net 90,0 gross 128,4	net 82,0 gross 120,4
Packing, l × w × h [mm]	1 pallet 1200 × 1000 × 1200	1 pallet 1200 × 1000 × 1200	1 pallet 1200 × 1000 × 1200	1 pallet 1200 × 1000 × 1200




Accessories

Type	Code No.	Description	Illustration
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	Drip plate made of stainless steel, between two tanks, if using a MB	

Supplementary equipment

Type	Code No.	Description	Illustration
MB 210.3	8395	Lifting device with oscillation, for one unit https://bandelin.com/datenblaetter/MB/MB_110_212_GB_BANDELIN.pdf	
MB 210.3 B	8398	Lifting device with oscillation, in connection with WG 210 data sheet > https://bandelin.com/datenblaetter/MB/MB_B_110_210_GB_BANDELIN.pdf	
WG 210-2	8526	Tank rack for 2 tanks in connection with MB 210.3 B data sheet > https://bandelin.com/datenblaetter/MB/MB_B_110_210_GB_BANDELIN.pdf	
WG 210-3	8527	Tank rack for 3 tanks in connection with MB 210.3 B data sheet > https://bandelin.com/datenblaetter/MB/MB_B_110_210_GB_BANDELIN.pdf	no picture available
WG 210-4	8528	Tank rack for 4 tanks in connection with MB 210.3 B Tank rackdata sheet > https://bandelin.com/datenblaetter/MB/MB_B_110_210_GB_BANDELIN.pdf	
KV 210	8455	Cascade tube between 2 tanks	
HA 210	8498	Planing head holder, stainless steel data sheet > https://bandelin.com/datenblaetter/HA/HA_GB_BANDELIN.pdf	

Peripheral units

Type	Code No.	Description	Illustration
FA 210	8613	Filtration data sheet > https://bandelin.com/datenblaetter/FA/FA_GB_BANDELIN.pdf	
OX 210	8605A	Oil separator data sheet > https://bandelin.com/datenblaetter/OX/OX_GB_BANDELIN.pdf	
TO 210	8339	Trough dryer data sheet > https://bandelin.com/datenblaetter/TO/TO_GB_BANDELIN.pdf	

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.