

SONOREX TECHNIK
RM 110 Module series
High-power ultrasonic baths for aqueous liquids

RM 110 UH – Ultrasonic bath with heating

RM 110 U – Ultrasonic bath without heating

RM 110 H – Rinsing bath with heating, without ultrasound

RM 110 – Rinsing bath without heating, without ultrasound



RM 110 UH

Type	RM 110 UH	RM 110 U	RM 110 H	RM 110
Code No.	8230 – 40 kHz 8240 – 25 kHz	8231 – 40 kHz 8241 – 25 kHz	8232	8233

Oscillating tank / rinsing tank





Internal dimensions, l × w × d [mm]	600 × 450 × 450	600 × 450 × 450	600 × 450 × 450	600 × 450 × 450
Filling level mark from the tank bottom [mm]	350	350	350	350
Upper edge overflow gutter from the tank bottom [mm]	405	405	405	405
Tank edges	rectangular form	rectangular form	rectangular form	rectangular form
Capacity [l]	135,0	135,0	135,0	135,0
Operating volume up to filling level mark [l]	110,0	110,0	110,0	110,0
Filling volume to overflow gutter [l]	125,0	125,0	125,0	125,0
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]	4000 - corresponds to 4 times ultrasonic nominal power -	4000 - corresponds to 4 times ultrasonic nominal power -	-	-
Ultrasonic nominal power [W]	1000	1000	-	-

Type	RM 110 UH	RM 110 U	RM 110 H	RM 110
Pulse function	✓	✓	-	-
Ultrasonic frequency [kHz]	40 or 25	40 or 25	-	-
Oscillating systems	20 pieces at tank bottom	20 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]	4800	-	4800	-
Control	turning knob	-	turning knob	-
Housing				
External dimensions, l x w x h [mm]	780 x 550 x 800	780 x 550 x 800	780 x 550 x 800	780 x 550 x 800
Housing material	stainless steel AISI 304	stainless steel AISI 304	stainless steel AISI 304	stainless steel AISI 304
Handles	on the sides	on the sides	on the sides	on the 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	15,3	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	3 m, 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 74,2 gross 98,5	net 69,2 gross 93,5	net 62,2 gross 86,5	net 57,2 gross 81,5
Packing, l x w x h [mm]	1 pallet 1200 x 800 x 1100	1 pallet 1200 x 800 x 1100	1 pallet 1200 x 800 x 1100	1 pallet 1200 x 800 x 1100

Accessories

Type	Code No.	Description	Illustration
MK 110	8423	Insert basket, stainless steel load up to 20 kg internal dimensions 530 × 410 × 90 mm (l × w × d) mesh size 12.5 × 12.5 mm	
MK 110 S	8476	Insert basket, stainless steel load up to 40 kg internal dimensions 530 × 410 × 90 mm (l × w × d) mesh size 12.5 × 12.5 mm	
MK 110 B	8417	Insert basket, stainless steel for lifting device MB load up to 20 kg internal dimensions 530 × 410 × 90 mm (l × w × d) mesh size 12.5 × 12.5 mm	
MK 110 BS	8481	Insert basket, stainless steel, for lifting device MB load up to 40 kg internal dimensions 530 × 410 × 90 mm (l × w × d) mesh size 12.5 × 12.5 mm	
MD 110	8446	Lid, stainless steel	
TB 110	8403	Drip plate made of stainless steel, between two tanks, if using a MB	

Supplementary equipment

Type	Code No.	Description	Illustration
MB 110.3	8393	Lifting device with oscillation, for one unit data sheet > https://bandelin.com/datenblaetter/MB/MB_110_212_GB_BANDELIN.pdf	
MB 110.3 B	8396	Lifting device with oscillation in connection with tank rack WG 110 data sheet > https://bandelin.com/datenblaetter/MB/MB_B_110_210_GB_BANDELIN.pdf	
WG 110-2	8520	Tank rack for 2 tanks in connection with MB 110.3 B data sheet > https://bandelin.com/datenblaetter/MB/MB_B_110_210_GB_BANDELIN.pdf	
WG 110-3	8521	Tank rack for 3 tanks in connection with MB 110.3 B data sheet > https://bandelin.com/datenblaetter/MB/MB_B_110_210_GB_BANDELIN.pdf	no picture available
WG 110-4	8522	Tank rack for 4 tanks in connection with MB 110.3 B data sheet > https://bandelin.com/datenblaetter/MB/MB_B_110_210_GB_BANDELIN.pdf	
KV 110	8453	Cascade tube between 2 tanks	
HA 110	8496	Planing head holder, stainless steel data sheet > https://bandelin.com/datenblaetter/HA/HA_GB_BANDELIN.pdf	

Peripheral units

Type	Code No.	Description	Illustration
FA 110	8611	Filtration data sheet > https://bandelin.com/datenblaetter/FA/FA_GB_BANDELIN.pdf	
OX 110	8603A	Oil separator data sheet > https://bandelin.com/datenblaetter/OX/OX_GB_BANDELIN.pdf	
TO 110	8337	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.