

SONOREX TECHNIK
RM 180 Module series
High-power ultrasonic baths for aqueous liquids

RM 180 UH – Ultrasonic bath with heating

RM 180 U – Ultrasonic bath without heating

RM 180 H – Rinsing bath with heating, without ultrasound

RM 180 – Rinsing bath without heating, without ultrasound










RM 180 UH






Type	RM 180 UH	RM 180 U	RM 180 H	RM 180
Code No.	8250 – 40 kHz 8260 – 25 kHz	8251 – 40 kHz 8261 – 25 kHz	8252 -	8253 -
Oscillating tank / rinsing tank				
Internal dimensions, l × w × d [mm]	1000 × 500 × 400	1000 × 500 × 400	1000 × 500 × 400	1000 × 500 × 400
Filling level mark from the tank bottom [mm]	300	300	300	300
Upper edge overflow gutter from the tank bottom [mm]	355	355	355	355
Tank edges	rectangular form	rectangular form	rectangular form	rectangular form
Capacity [l]	215,0	215,0	215,0	215,0
Operating volume up to filling level mark [l]	160,0	160,0	160,0	160,0
Filling volume to overflow gutter [l]	190,0	190,0	190,0	190,0
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 180 UH	RM 180 U	RM 180 H	RM 180
Pulse function	✓	✓	-	-
Ultrasonic frequency [kHz]	40 or 25	40 or 25	-	-
Oscillating systems	40 pieces at tank bottom	40 pieces at tank bottom	-	-
Control	turning knob	turning knob	-	-
Time setting [min]	1 - 15, continuous operation	1 - 15, continuous operation	-	-
Temperature control				
Heating, thermostatically adjustable [°C]	30 - 80	-	30 - 80	-
Heating power [W]	7200	-	7200	-
Control	turning knob	-	turning knob	-
Housing				
External dimensions, l x w x h [mm]	1180 x 600 x 800	1180 x 600 x 800	1180 x 600 x 800	1180 x 600 x 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	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 107,2 gross 137,0	net 94,7 gross 124,5	net 105,0 gross 134,8	net 102,0 gross 131,8
Packing, l x w x h [mm]	1 pallet 1400 x 800 x 1100	1 pallet 1400 x 800 x 1100	1 pallet 1400 x 800 x 1100	1 pallet 1400 x 800 x 1100

Accessories

Type	Code No.	Description	Illustration
MK 180	8424	Insert basket, stainless steel load up to 20 kg internal dimensions 930 × 460 × 90 mm (l × w × d) mesh size 12.5 × 12.5 mm	
MK 180 S	8477	Insert basket, stainless steel load up to 40 kg internal dimensions 930 × 460 × 90 mm (l × w × d) mesh size 12.5 × 12.5 mm	
MK 180 B	8418	insert basket, stainless steel, applicable for lifting device MB load up to 20 kg internal dimensions 930 × 460 × 90 mm (l × w × d) mesh size 12.5 × 12.5 mm	
MK 180 BS	8482	Insert basket, stainless steel, applicable for lifting device MB load up to 40 kg internal dimensions 930 × 460 × 90 mm (l × w × d) mesh size 12.5 × 12.5 mm	
MK 180 A	8427	Insert basket, stainless steel, for 15 respirator masks load up to 20 kg internal dimensions 930 × 460 × 215 mm (l × w × d) mesh size 12.5 × 12.5 mm	
MD 180	8447	Lid, stainless steel	
TB 180	8404	Drip plate made of stainless steel, between two tanks, if using a MB	

Supplementary equipment

Type	Code No.	Description	Illustration
MB 180.3	8394	Lifting device data sheet > https://bandelin.com/datenblaetter/MB/MB_180.3_EN_BANDELIN.pdf	
MB 180.3 B	8397	Lifting device with oscillation in connection with WG 180 data sheet > https://bandelin.com/datenblaetter/MB/MB_180.3_B_EN_BANDELIN.pdf	
WG 180-2	8523	Tank rack for 2 tanks in connection with MB 180.3 B data sheet > https://bandelin.com/datenblaetter/MB/MB_180.3_B_EN_BANDELIN.pdf	
WG 180-3	8524	Tank rack for 3 tanks in connection with MB 180.3 B data sheet > https://bandelin.com/datenblaetter/MB/MB_180.3_B_EN_BANDELIN.pdf	no picture available
WG 180-4	8525	Tank rack for 4 tanks in connection with MB 180.3 B data sheet > https://bandelin.com/datenblaetter/MB/MB_180.3_B_EN_BANDELIN.pdf	
KV 180	8454	Cascade tube between 2 tanks	

Peripheral units

Type	Code No.	Description	Illustration
FA 180	8612	Filtration data sheet > https://bandelin.com/datenblaetter/FA/FA_GB_BANDELIN.pdf	
OX 180	8604A	Oil separator data sheet > https://bandelin.com/datenblaetter/OX/OX_GB_BANDELIN.pdf	
TO 180	8338	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.