

SONOREX TECHNIK
RM 180 - Module series

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

- 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




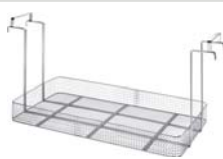
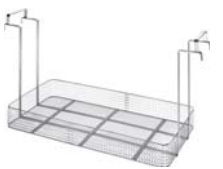
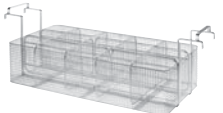


RM 180 UH

	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 x w x d	1000 x 500 x 400 mm			
Fill level mark upper edge overflow gutter	300 mm 355 mm			
Tank edges	rectangular form			
Capacity	215 l			
Operating volume up to fill level mark	160 l			
Filling volume up to upper edge overflow gutter	190 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	on the right side			
Sprinkle tube	on the left side			
Tank bottom	straight			





	RM 180 UH	RM 180 U	RM 180 H	RM 180
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Ultrasound				
Ultrasonic peak output corresponds to 4 times ultrasonic nominal output	2 × 4000 W		-	
Ultrasonic nominal output	2 × 1000 W		-	
Ultrasonic frequency	40 kHz or 25 kHz		-	
Pulse function	✓			
PZT oscillating systems	40 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	7200 W	-	7200 W	-
Housing				
External dimensions, l × w × h	1180 × 600 × 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	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 degree	80 %			
Permissible relative humidity to 40 degree	50 %			
Shipping information				
Weight	net			
	gross	105 kg	93 kg	98 kg
		141 kg	143 kg	115 kg
Packing, l × w × h	1 special pallet 1400 × 800 × 1100 mm			
Customs tariff No. unit	85437090	85437090	73269098	73269098
CE-marked	✓			

Accessories

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

Supplementary equipment

WG 180-2	8523	rack for 2 tanks, in connection with MB 180 B	
WG 180-3	8524	rack for 3 tanks, in connection with MB 180 B	
WG 180-4	8525	rack for 4 tanks, in connection with MB 180 B	
MB 180	8311	lifting device with oscillation, for one unit	
MB 180 B	8315	lifting device with oscillation, in connection with WG 180	
KV 180	8454	cascade tube between two tanks	
LU 180	8433	air agitation for rinsing baths, compressed air connection up to 6 bar	

Peripheral units

Type	Code No.	Description	
FA 180	8612	filtration with pre- and main filter incl. connection kit	 <p>FA 620 + APF 110/180/210</p>
OX 180	8604A	oil separator incl. connection kit	 <p>OX 500 + AOX 110/180/210</p>
WA 180	8636A	DI-water-preparation device incl. connection kit	 <p>WA 500 + AWA 110/180/210</p>
TO 180	8338	trough dryer internal dimensions 1000 x 500 x 400 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