

**SONOREX TECHNIK**  
**RM 182 - Module series**

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

- RM 182 UH: Ultrasonic bath with heating
- RM 182 U: Ultrasonic bath without heating
- RM 182 H: Rinsing bath with heating, without ultrasound
- RM 182: Rinsing bath without heating, without ultrasound



RM 182 UH



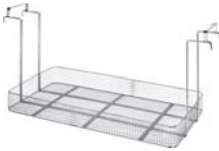



	RM 182 UH	RM 182 U	RM 182 H	RM 182
Code No.	9202 - 40 kHz 9201 - 25 kHz	9204 - 40 kHz 9203 - 25 kHz	9205	9206

Oscillating tank / rinsing tank	
Internal dimensions, l x w x d	1000 x 500 x 400/420 mm, inclined tank bottom
Fill level mark from the middle of the bottom upper edge overflow gutter from the middle of the bottom	310 mm 365 mm
Tank edges	rounded, radius 20
Capacity	226 l
Operating volume up to fill level mark	170 l
Filling volume up to upper edge overflow gutter	200 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	inclined



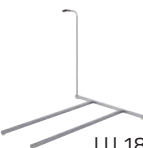
	RM 182 UH	RM 182 U	RM 182 H	RM 182
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<b>Ultrasound</b>				
Ultrasonic peak output corresponds to 4 times ultrasonic nominal output	2 × 4000 W		-	
Ultrasonic nominal output	2 × 1000 W		-	
Ultrasonic frequency	40 kHz or 25 kHz		-	
Puls function	✓			
PZT oscillating systems	40 pieces at tank bottom		-	
Control	turning knob			-
Time setting	1 – 15 min and ∞		-	
<b>Temperature control</b>				
Heating, thermostatically adjustable	30 – 80 °C	-	30 – 80 °C	-
Heating power	7200 W	-	7200 W	-
<b>Housing</b>				
External dimensions, l × w × h	1180 × 660 × 800 mm			
Material	stainless steel AISI 304			
Handles	on the sides			
Degree of protection	IP 32			
Feet	4 height adjustable feet			
<b>Power supply</b>				
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			
<b>Environmental conditions</b>				
Permissible ambient temperature	5 – 40 °C			
Permissible relative humidity to 31 degree	80 %			
Permissible relative humidity to 40 degree	50 %			
<b>Shipping information</b>				
Weight net	138 kg	130 kg	118 kg	110 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	
MD 180	8447	lid, stainless steel	
TB 180	8404	dropdrop 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	MB 180 B with WG 180-2
KV 182	8457	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