

# SONOREX TECHNIK

## RM 182 - Module series

High-power ultrasonic baths and rinsing baths  
for aqueous fluids

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

#### Ultrasound

Ultrasonic peak power corresponds to 4 times ultrasonic nominal power	2 × 4000 W		-	
Ultrasonic nominal power	2 × 1000 W		-	
Ultrasonic frequency	40 kHz or 25 kHz		-	
Pulse function	✓		-	
Oscillating systems	40 pieces at tank bottom		-	
Control	turning knob			-
Time setting	1 – 15 min and continuous operation		-	

#### Temperature control

Adjustable temperature range	30 – 80 °C	-	30 – 80 °C	-
Heating power	7200 W	-	7200 W	-

#### Housing

External dimensions, l × w × h	1180 × 660 × 800 mm			
Housing 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

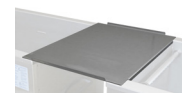
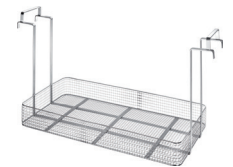
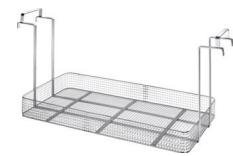
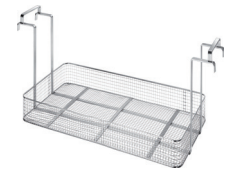
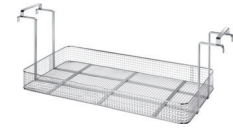
Permissible ambient temperature	5 – 40 °C			
Permissible relative humidity to 31 °C	80 %			
Permissible relative humidity to 40 °C	50 %			

#### Shipping information

Weight, net	138 kg	130 kg	118 kg	110 kg
Packing, l × w × h	1 special pallet 1400 × 800 × 1100 mm			

**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	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 182	8457	cascade tube between two tanks



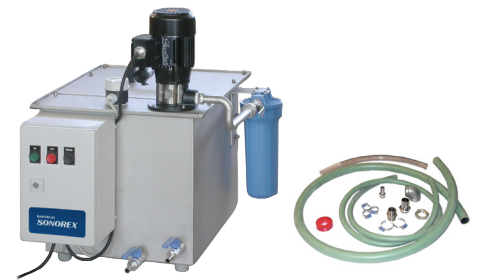
MB 180 B with WG 180-2



KV 182

Peripheral units

Type	Code No.	Description
FA 180	8612	filtration with pre- and fine filter incl. connection kit
OX 180	8604A	oil separator incl. connection kit
WA 180	8636A	DI-water-preparation device incl. connection kit
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

**Distributed by:**



**A.D. Jansen Zwolle B.V.**  
Faradaystraat 21  
8013PH Zwolle - NL

Tel: +31 (0) 384550646  
klantenservice@djaky.com  
www.djaky.com

Subject to technical alterations without notice. Dimensions subject to production tolerances.  
Illustrations exemplary, not true to scale. Decoration products are not included in delivery.

2308a GB/2020-06

**BANDELIN electronic GmbH & Co. KG**  
Heinrichstraße 3 – 4  
12207 Berlin  
Deutschland

www.bandelin.com  
info@bandelin.com  
☎ : +49 30 768 80-0  
☎ : +49 30 773 46 99

Zertifiziert nach  
ISO 9001  
ISO 13485