

**SONOREX TECHNIK**
**RM 16.2 Module series**
**High-power ultrasonic baths for aqueous liquids**

RM 16.2 UH – Ultrasonic bath with heating

RM 16.2 U – Ultrasonic bath without heating

**RM 16.2 UH-ST – Ultrasonic bath with heating and interface for connecting a SPS or robotic control**  
**RM 16.2 U-ST – Ultrasonic bath without heating, with interface for connecting a SPS or robotic control**



RM 16.2 UH

Type	RM 16.2 UH	RM 16.2 U	RM 16.2 UH-ST	RM 16.2 U-ST
Code No.	8204	8205	8680	8681

**Oscillating tank**

Internal dimensions, l x w x d [mm]	325 x 275 x 200/210+	325 x 275 x 200/210+	325 x 275 x 200/210+	325 x 275 x 200/210+
Filling level mark from the tank bottom [mm]	135	135	135	135
Upper edge overflow gutter from the tank bottom [mm]	150	150	150	150
Tank edges	rectangular form	rectangular form	rectangular form	rectangular form
Capacity [l]	20,0	20,0	20,0	20,0
Operating volume up to filling level mark [l]	13,0	13,0	13,0	13,0
Filling volume to overflow gutter [l]	15	15	15	15
Tank material and thickness [mm]	stainless steel AISI 316L / 2,0	stainless steel AISI 316L / 2,0	stainless steel AISI 316L / 2,0	stainless steel AISI 316L / 2,0
Outlet / Inlet	3-way ball valve G ½ incl. hose and hose sockets, brass – galvanically coated, at the left side	3-way ball valve G ½ incl. hose and hose sockets, brass – galvanically coated, at the left side	3-way ball valve G ½ incl. hose and hose sockets, brass – galvanically coated, at the left side	3-way ball valve G ½ incl. hose and hose sockets, brass – galvanically coated, at the left side
Overflow	tightly welded with closing cap G 1, at the rear side	tightly welded with closing cap G 1, at the rear side	tightly welded with closing cap G 1, at the rear side	tightly welded with closing cap G 1, at the rear side
Overflow gutter	at the rear side	at the right side	at the rear side	at the rear side
Tank bottom	inclined	inclined	inclined	inclined

**Ultrasound**

Ultrasonic peak power* [W]	1200	1200	1200	1200
Ultrasonic nominal power [W]	300	300	300	300
Ultrasonic frequency [kHz]	40	40	40	40
Pulse function	✓	✓	✓	✓
Sweep	✓	✓	✓	✓

+ inclined tank bottom \* corresponds to 4 times ultrasonic nominal power

Type	RM 16.2 UH	RM 16.2 U	RM 16.2 UH-ST	RM 16.2 U-ST
Oscillating systems	6 pieces at tank bottom	6 pieces at tank bottom	6 pieces at tank bottom	6 pieces at tank bottom
Time setting [min]	1 – 15, continuous operation	1 – 15, continuous operation	-	-
Control	turning knob	turning knob	via interface	via interface
<b>Temperature control</b>				
Heating, thermostatically adjustable [°C]	30 – 80	-	30-80	-
Heating power [W]	800	-	800	-
Control	turning knob	-	turning knob	-
<b>Housing</b>				
External dimensions, l x w x h [mm]	365 x 340 x 390	365 x 340 x 390	365x 340 x 390	365 x 340 x 390
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 rubber feet	4 rubber feet	4 rubber feet	4 rubber feet
<b>Features</b>				
Interface	-	-	potential-free contact, 8-pole M12 socket, cable 5 m	potential-free contact, 8-pole M12 socket, cable 5 m
Filling level sensor	-	-	conductivity sensor (not for demineralised water, conductivity of the liquid > 20 µS/cm)	conductivity sensor (not for demineralised water, conductivity of the liquid > 20 µS/cm)
<b>Power supply</b>				
Mains supply [V]	230 V~ (± 10 %), 50/60 Hz	230 V~ (± 10 %), 50/60 Hz	230 V~ (± 10 %), 50/60 Hz	230 V~ (± 10 %), 50/60 Hz
Current consumption [A]	4,8	1,4	4,8	1,4
Leakage current [mA]	< 3,5	< 3,5	< 3,5	< 3,5
Mains cable	2 m, fixed at the unit, with EU plug CEE 7/7 (type E+F)	2 m, fixed at the unit, with EU plug CEE 7/7 (type E+F)	2 m, fixed at the unit, with EU plug CEE 7/7 (type E+F)	2 m, fixed at the unit, with EU plug CEE 7/7 (type E+F)
<b>Environmental conditions</b>				
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
<b>Shipping information</b>				
Weight net [kg] gross [kg]	17,0 19,0	16,0 18,0	17,0 19,0	16,0 18,0
Packing, l x w x h [mm]	1 carton 475 x 445 x 465	1 carton 475 x 445 x 465	1 carton 475 x 445 x 465	1 carton 475 x 445 x 465

**SONOREX TECHNIK**
**RM 16.2 Module series**
**Rinsing baths for aqueous liquids**
**RM 16.2 H**

Rinsing bath with heating, without ultrasound

**RM 16.2**

Rinsing bath without heating, without ultrasound

**RM 16.2 H-ST**  
 Rinsing bath with heating and interface for connecting  
 a SPS or robotic control, without ultrasound







RM 16.2 H-ST

Type	RM 16.2 H	RM 16.2	RM 16.2 H-ST
Code No.	8206	8207	8682
<b>Oscillating tank</b>			
Internal dimensions, l x w x d [mm]	325 x 275 x 200/210+	325 x 275 x 200/210+	325 x 275 x 200/210+
Filling level mark from the tank bottom [mm]	135	135	135
Upper edge overflow gutter from the tank bottom [mm]	150	150	150
Tank edges	rectangular form	rectangular form	rectangular form
Capacity [l]	20,0	20,0	20,0
Operating volume up to filling level mark [l]	13,0	13,0	13,0
Filling volume to overflow gutter [l]	15	15	15
Tank material /material thick- ness [mm]	stainless steel AISI 316L / 2,0	stainless steel AISI 316L / 2,0	stainless steel AISI 316L / 2,0
Outlet / Inlet	3-way ball valve G ½ incl. hose and hose sockets, brass – galvanically coated, at the left side	3-way ball valve G ½ incl. hose and hose sockets, brass – galvanically coated, at the left side	3-way ball valve G ½ incl. hose and hose sockets, brass – galvanically coated, at the left side
Overflow	tightly welded with closing cap G 1, at the rear side	tightly welded with closing cap G 1, at the rear side	tightly welded with closing cap G 1, at the rear side
Overflow gutter	at the right side	at the right side	at the rear side
Tank bottom	inclined	inclined	inclined
<b>Temperature control</b>			
Heating, thermostatically adjustable [°C]	30 – 80	-	30-80
Heating power [W]	800	-	800
Control	turning knob	-	turning knob







+ inclined tank bottom

Type	RM 16.2 H	RM 16.2	RM 16.2 H-ST
<b>Housing</b>			
External dimensions, l x w x h [mm]	365 x 340 x 390	365 x 340 x 390	365x 340 x 390
Housing material	stainless steel AISI 304	stainless steel AISI 304	stainless steel AISI 304
Handles	on sides	on sides	on sides
Degree of protection	IP 32	IP 32	IP 32
Feet	4 rubber feet	4 rubber feet	4 rubber feet
<b>Features</b>			
Interface	-	-	potential-free contact, 8-pole M12 socket, cable 5 m
Filling level sensor	-	-	conductivity sensor (not for demineralised water, conductivity of the liquid > 20 µS/cm)
<b>Power supply</b>			
Mains supply [V]	230 V~ (± 10 %), 50/60 Hz		230 V~ (± 10 %), 50/60 Hz
Current consumption [A]	3,5		3,5
Leakage current [mA]	< 3,5		< 3,5
Mains cable	2 m, fixed at the unit, with EU plug CEE 7/7 (type E+F)		2 m, fixed at the unit, with EU plug CEE 7/7 (type E+F)
<b>Environmental conditions</b>			
Permissible ambient temperature [°C]	5 – 40	5 – 40	5 – 40
Permissible relative humidity to 31 degreeC [%]	80	80	80
Permissible relative humidity to 40 degreeC [%]	50	50	50
<b>Shipping information</b>			
Weight net [kg] gross [kg]	16,0 18,0	15,0 17,0	16,0 18,0
Packing, l x w x h [mm]	1 carton 475 x 445 x 465	1 carton 475 x 445 x 465	1 carton 475 x 445 x 465

### Accessories

Type	Code No.	Description	Illustration
MK 16 B	8408	Insert basket, stainless steel also for oscillation MO load up to 10 kg internal dimensions 275 × 245 × 50 mm (l × w × d) mesh size 5 × 5 mm	
MK 16 MB	8412	Insert basket, stainless steel for lifting device MB load up to 10 kg internal dimensions 275 × 245 × 50 mm (l × w × d) mesh size 5 × 5 mm	
MD 16	8440	Lid, stainless steel	
TB 16	8400	Drip plate made of stainless steel, between two tanks	

### Supplementary equipment

Type	Code No.	Description	Illustration
MO 16.2	8306	Oscillation device data sheet > <a href="https://bandelin.com/datenblaetter/MO/MO16_40_GB_BANDELIN.pdf">https://bandelin.com/datenblaetter/MO/MO16_40_GB_BANDELIN.pdf</a>	
MB 16.3	8390	Lifting device with oscillation data sheet > <a href="https://bandelin.com/datenblaetter/MB/MB_16_75_GB_BANDELIN.pdf">https://bandelin.com/datenblaetter/MB/MB_16_75_GB_BANDELIN.pdf</a>	
WG 16-2	8506	Tank rack for 2 tanks in connection with MB 16.3 data sheet > <a href="https://bandelin.com/datenblaetter/MB/MB_16_75_GB_BANDELIN.pdf">https://bandelin.com/datenblaetter/MB/MB_16_75_GB_BANDELIN.pdf</a>	
WG 16-3	8500	Tank rack for 3 tanks in connection with MB 16.3 data sheet > <a href="https://bandelin.com/datenblaetter/MB/MB_16_75_GB_BANDELIN.pdf">https://bandelin.com/datenblaetter/MB/MB_16_75_GB_BANDELIN.pdf</a>	
WG 16-4	8507	Tank rack for 4 tanks in connection with MB 16.3 datasheet > <a href="https://bandelin.com/datenblaetter/MB/MB_16_75_GB_BANDELIN.pdf">https://bandelin.com/datenblaetter/MB/MB_16_75_GB_BANDELIN.pdf</a>	
KV 16	8450	Cascade tube between 2 tanks	

Peripheral units

Type	Code No.	Description	Illustration
FA 16	8608	Filtration data sheet > <a href="https://bandelin.com/datenblaetter/FA/FA_GB_BANDELIN.pdf">https://bandelin.com/datenblaetter/FA/FA_GB_BANDELIN.pdf</a>	
OX 16	8600A	Oil separator data sheet > <a href="https://bandelin.com/datenblaetter/OX/OX_GB_BANDELIN.pdf">https://bandelin.com/datenblaetter/OX/OX_GB_BANDELIN.pdf</a>	
UT 16	8380	Recirculating air dryer data sheet > <a href="https://bandelin.com/datenblaetter/UT/UT_16_75_GB_BANDELIN.pdf">https://bandelin.com/datenblaetter/UT/UT_16_75_GB_BANDELIN.pdf</a>	

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.