

SONOREX TECHNIK

RM 212 - Module series

High-power ultrasonic baths and rinsing baths
for aqueous fluids

- RM 212 UH: Ultrasonic bath with heating
 RM 212 U: Ultrasonic bath without heating
 RM 212 H: Rinsing bath with heating, without ultrasound
 RM 212: Rinsing bath without heating, without ultrasound



RM 212 UH

| | RM 212 UH | RM 212 U | RM 212 H | RM 212 |
|--|--|--------------------------------|----------|--------|
| Code No. | 9302 - 40 kHz 9301 - 25 kHz | 9304 - 40 kHz 9303 - 25 kHz | 9305 | 9306 |
| Oscillating tank / rinsing tank | | | | |
| Internal dimensions, l × w × d | 750 × 650 × 500/520 mm, inclined tank bottom | | | |
| Filling level mark from the middle of the tank bottom upper edge overflow gutter from the middle of the tank bottom | 410 mm 465 mm | | | |
| Tank edges | rounded, radius 20 | | | |
| Capacity | 285 l | | | |
| Operating volume up to filling level mark | 230 l | | | |
| Filling volume up to upper edge overflow gutter | 260 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 212 UH | RM 212 U | RM 212 H | RM 212 |
|--|-----------|----------|----------|--------|
|--|-----------|----------|----------|--------|

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 | 930 × 810 × 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 | 112 kg | 104 kg | 92 kg | 84 kg |
| Packing, l × w × h | 1 special pallet 1200 × 1000 × 1100 mm | | | |

Accessories

| Type | Code No. | Description |
|-----------|----------|--|
| MK 210 | 8425 | insert basket, stainless steel load up to 20 kg internal dimensions 680 × 610 × 90 mm, l × w × d mesh size 12.5 × 12.5 mm |
| MK 210 S | 8478 | insert basket, stainless steel load up to 40 kg internal dimensions 680 × 610 × 90 mm, l × w × d mesh size 12.5 × 12.5 mm |
| MK 210 B | 8419 | insert basket, stainless steel, applicable for lifting device MB load up to 20 kg internal dimensions 680 × 610 × 90 mm, l × w × d mesh size 12.5 × 12.5 mm |
| MK 210 BS | 8483 | insert basket, stainless steel, applicable for lifting device MB load up to 40 kg internal dimensions 680 × 610 × 90 mm, l × w × d mesh size 12.5 × 12.5 mm |
| MD 210 | 8448 | lid, stainless steel |
| TB 210 | 8405 | drop plate, stainless steel, between two tanks if using a MB |



Supplementary equipment

| | | |
|----------|------|--|
| WG 210-2 | 8526 | rack for 2 tanks, in connection with MB 210 B |
| WG 210-3 | 8527 | rack for 3 tanks, in connection with MB 210 B |
| WG 210-4 | 8528 | rack for 4 tanks, in connection with MB 210 B |
| MB 210 | 8312 | lifting device with oscillation, for one unit |
| MB 210 B | 8316 | lifting device with oscillation, in connection with WG 210 |
| KV 212 | 8458 | cascade tube between two tanks |



MB 210 B with WG 210-2



KV 212

Peripheral units

| Type | Code No. | Description |
|--------|----------|---|
| FA 210 | 8613 | filtration with pre- and fine filter incl. connection kit |
| OX 210 | 8605A | oil separator incl. connection kit |
| WA 210 | 8637A | DI-water-preparation device incl. connection kit |
| TO 210 | 8339 | trough dryer internal dimensions 750 x 650 x 500 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.

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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

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