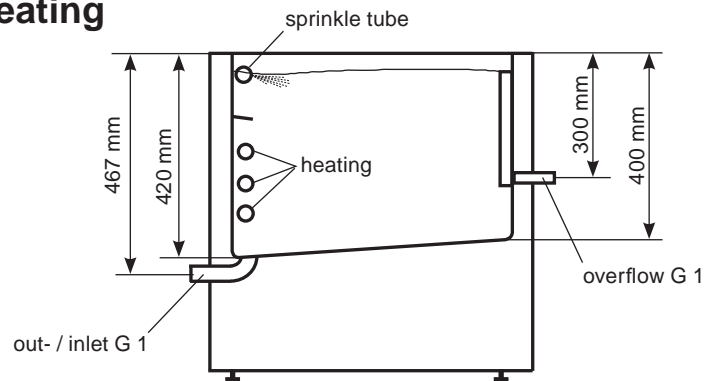
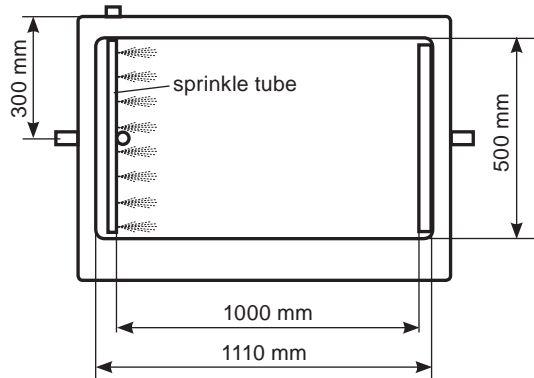
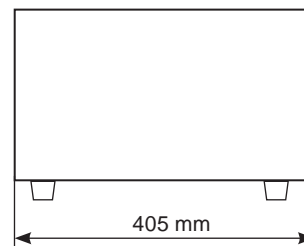
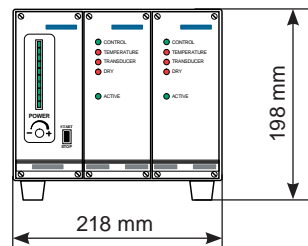


Tank TM 182 UH with ultrasound and heating



Ultrasonic generator LG 2002 T / LG 3020 T



Ultrasonic tank with separate generator

| | TM 182 U | TM 182 UL | TM 182 UH | TM 182 UHL |
|--------------------------------------|--|-------------------|--|-------------------|
| Exterior tank dimensions | 1180 x 660 x 800 mm (l x w x h) | | | |
| Inner tank dimensions | 1000 x 500 x 400 / 420 mm (l x w x d), radius 20 | | | |
| Capacity | 225 litres | | | |
| Filling volume | 200 litres up to overflow gutter | | | |
| Operating volume | 170 litres up to filling mark | | | |
| Oscillating tank | Stainless steel AISI 316 Ti (1.4571), 2 mm, welded, inclined tank bottom | | | |
| Out- / inlet | 3-way ball valve G 1, incl. hose and hose sockets 1" | | | |
| Overflow | at right tank side, outlet G 1 | | | |
| Sprinkle tube | at left tank side, for surface skimming | | | |
| Casing | stainless steel AISI 304 (1.4301) | | | |
| Ultrasonic | 40 kHz, on request 25 kHz | | | |
| oscillating systems at tank bottom | 40 PZT-transducer | 30 PZT-transducer | 40 PZT-transducer | 30 PZT-transducer |
| oscillating systems at tank side | - | 30 PZT-transducer | - | 30 PZT-transducer |
| Generator | LG 2002 T | LG 3020 T | LG 2002 T | LG 3020 T |
| HF cable 5 m with plug | 2 pieces | | | |
| Heating, thermostatically adjustable | - | | 30 - 80 °C | |
| Power consumption | - | | 7,2 kW | |
| Max. current consumption per phase | 0,1 A | | 10,5 A | |
| Mains supply | 230 V~ 50/60 Hz, cable length 3 m, fixed | | 400 V 3N~ 50/60 Hz, CEKON-plug 16 A, cable length 3 m, fixed | |
| Degree of protection | IP 32 | | | |
| Weight | 127 kg | 132 kg | 135 kg | 140 kg |

Technical data of generators

| | LG 2002 T | LG 3020 T |
|--------------------------------------|--|---------------------------|
| Number of power modules | 2 | 2 |
| Control range of power | 10 - 100 % | |
| HF-output | 2 × 1000 W _{eff} | 2 × 1500 W _{eff} |
| Ultrasonic peak output* | 2 × 4000 W | 2 × 6000 W |
| Mains supply | 230 V~ 50/60 Hz, cable length 2 m, fixed | |
| Supply tolerance | ± 10 % | |
| Current consumption (max. per Phase) | 8,6 A | 13 A |
| HF-frequency | 40 kHz, on request 25 kHz | |
| Fuse | 16 A | |
| Degree of protection | IP 20 | |
| Dimensions (l × w × h) | 218 × 405 × 198 mm | |

* To achieve an improved efficiency, the ultrasound is modulated whereby a four times higher value of the HF- output is obtained as ultrasonic peak output.

Peripheral equipment

TM 182 U /UL /UH /UHL

| | Type |
|---|-----------|
| Ultrasonic rinsing tank with overflow | RM 182 U |
| Rinsing tank with overflow and heating | RM 182 H |
| Rinsing tank with overflow | RM 182 |
| Stainless steel lid | MD 180 |
| Stainless steel basket, load up to 20 kg, interior dimensions 930 × 460 × 90 mm (l×w×h) | MK 180 |
| Stainless steel basket for 15 respirators, load up to 20 kg, interior dimensions 930 × 460 × 215 mm (l×w×h) | MK 180 A |
| Stainless steel basket for lifting device, load up to 20 kg, interior dimensions 930 × 460 × 90 mm (l×w×h) | MK 180 B |
| Stainless steel basket, load up to 40 kg, interior dimensions 930 × 460 × 90 mm (l×w×h) | MK 180 S |
| Stainless steel basket for lifting device, load up to 40 kg, interior dimensions 930 × 460 × 90 mm (l×w×h) | MK 180 BS |
| Rack for two tanks, for MB 180 B | WG 180-2 |
| Rack for three tanks, for MB 180 B | WG 180-3 |
| Rack for four tanks, for MB 180 B | WG 180-4 |
| Lifting device with oscillation, movable, for use on racks WG | MB 180 B |
| Lifting device with oscillation, for one tank | MB 180 |
| Drop plate between two tanks | TB 180 |
| Filtration with pre- and main filter incl. connection kit | FA 180 |
| Oil separator with filter incl. connection kit | OX 180 |
| DI-water-preparation device incl. connection kit | WA 180 |
| Trough dryer, interior dimensions 1000 × 500 × 400 mm (l×w×d) | TO 180 |
| Cascade tube between two tanks | KV 180 |

LG 2002 T / LG 3020 T

| | |
|---|---------|
| Remote control with timer (1 to 15 min/continuous operation) cable length 7 m | FS 15 L |
| Cable for remote control, cable length 7 m, one plug | FS 7 |

Information:

It is possible to operate up to 4 ultrasonic tanks TM 182 U /UL /UH /UHL with more efficient LG-generators.
Example: 2 tanks TM 182 U /UH to a generator LG 4004 F or LG 4004 F PRO.

All SONOREX units are RFI-proof and marked C €.

Subject to technical alterations.

BANDELIN

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60 years of experience in ultrasound

Certification
EN ISO 9001:2008 • EN ISO 13485:2003 + AC:2007

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