

SONICA[®] 60 Litres

REF Code

Product name

Code

| | |
|-------------------------|--------------|
| 60 EP S4 SC V2* | 090.027.0021 |
| 60 ETH S4 SC V2* | 090.027.0022 |

SONICA Ultrasonic Cleaner

Accessories

| | |
|--|--------------|
| Stainless steel wire basket Internal dim. 1.070x290x150mm | 090.004.0012 |
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|--|--------------|
| Stainless steel lid with lift sensor for EP | 090.037.0008 |
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|-----------------------------|--------------|
| Stainless steel lid for ETH | 090.004.0028 |
|-----------------------------|--------------|

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|--|--------------|
| Stainless steel auxiliary tank SONICA 3300 Indicative dim. 300x240x150mm | 090.004.0044 |
|--|--------------|

Further accessories on request



60 EP S4 SC V2

* Special stainless steel tank made in AISI 316Ti thickness 20/10 with round tank corners for a better removing of dirt residuals after cleaning process. The tank is welded with TIG process

General Characteristics

Ultrasonic Cleaning is a safe and efficient modern procedure, which ensures perfect cleaning within the shortest time possible. It has many advantages over ordinary cleaning methods. Ultrasonics can remove even the most tenacious deposits from parts which would be difficult to reach by hand, it also reduces the risk of injury or infection which may occur during manual cleaning.

Notes for use as "Medical Devices"

Denomination: Ultrasonic Cleaning Equipment EMDN: Z12011302

Field of application: Ultrasonic Cleaning Equipment for surgical and dental instruments

Classification: Medical Devices Regulation Class I rule 13, Active MD, Non Invasive MD, Non Implantable MD

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SONICA[®] 60 Litres

Technical specification subject to change

Technical Data

| | |
|-------------------------------|---|
| Main line voltage | 230/240V~50/60Hz |
| Main input power/consumption | 700 W |
| Main input power with heating | 2200 W |
| Peak HF Ultrasound Power | 1400 W |
| US frequency | 39 kHz ± 1 kHz with SWEEP SYSTEM Technology |
| Liquid drain | 1/2" |
| Transducers | 16 (2 Piezoelectric ceramics each) |
| Tank capacity [L] | 60 |
| Weight [KG] | 30 |
| Installation category | Class II according to EN 61010-1 |
| Environmental conditions | Temperature Rel. Hum. 80% up to 31°C with linear decrease up to 50% at 40°C |
| IP grade | IP 22 |
| CE-compliant | EMC (EN 61326-1) LV (EN 61010-1 EN 61010-2-040) 2017/745/UE Medical Device Regulation Risk Class I according to the rule 13 to the MDR |

Effective Tank Internal Dimensions

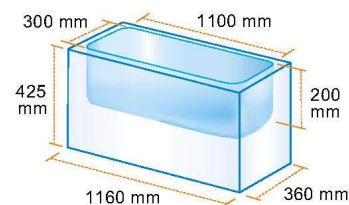
| | |
|-------------------------|-------------------|
| W/D/H (mm) | 1.100 / 300 / 200 |
| Max filling volume tank | 60 L |

External Appliance Dimensions

| | |
|---------------------------|-------------------|
| W/D/H (mm) | 1.160 / 360 / 425 |
| Max operating tank volume | 56 L |

Constructive Materials

| | |
|---------|----------------------------------|
| Housing | Stainless steel AISI 304 |
| Tank | Stainless steel AISI 316Ti 20/10 |



Available Control panel series

ETH

- **Sweep System** generator
- Two line OLED display for quick and intuitive setting of the operating parameters
- Wide setting of time from [1-2-3-4] [5-10-20-25] [10-20-30-40] minutes and cleaning temperature from [35° - 40°] [45° - 50°] [55° - 60°] Centigrades;
- Possibility of remote control functionality activated from control panel (Optional upon request)
- Waterproof control panel



EP

- Sweep System generator
- Two line OLED display for quick and intuitive setting of the operating parameters
- Jet program function to quickly and easily start the cleaning cycle.
- Accelerated heating function and temperature homogenization
- System log function for data traceability
- Pre-set program function
- Lid opening / use control functionality
- Date / Clock function
- Cleaning quality test program function
- Manual free program function
- DEGAS function (0-99 minutes)
- Ultrasonic cleaning function (0-99 minutes)
- Ultrasonic cleaning bath temperature function (up to to 70°C)
- Temperature control via external sensor
- Remote control function (optional on request)



Accessories

External temperature sensor (Optional)



Example of external temperature sensor application



External temperature probe (optional)
product code 091.002.0001

Remote control (optional)



6-pole DIN connector



Multi-core cable with 6-pole (male) DIN connector
(optional) product code 091.002.0002

REMOTE CONTROL technical specifications

In the new SONICA S4 series it is possible to optionally the Remote Control function for both EP and ETH S4 versions. This option can be supplied on request on all models – a feature difficult to find on the market for small and medium-sized “*stand alone*” ultrasonic cleaners.

This function allows to activate/deactivate the ultrasound. Once a temperature has been set on the ultrasonic cleaner it is also possible to turn on and off the heating resistor via remote control.

REMOTE CONTROL mode use and electrical connections

The machines optioned for the Remote Control mode are equipped with a 6-pole (female) DIN connector on the back of the equipment, covered by a protective cap.

A multi-core cable with a 6-pole (male) DIN connector is also supplied with the equipment. The opposite end the cable is unsheathed and individual cables can be connected to the controller.

Control logic and connection to the controller

The main function is the possibility of activating the machine independently of the equipment controller, thus making it possible to decide the start and duration of the cleaning cycle according to the needs.

Switching off the heating resistor is a secondary function, because it always requires the temperature of the cleaning liquid to be set and the heating to be switched on from the equipment panel, as seen in the instructions for use, since the temperature control is always managed by the equipment controller.

This function can be useful if you need to control the temperature of the bath using an external temperature sensor, connected to the controller and immersed in the tank containing the cleaning liquid.

For more detailed information, please refer to the Instruction For Use of our New SONICA Ultrasonic Cleaners S4 series. You will find the connection diagram to the external controller for remote control