

ÜLKA

USER MANUAL

JUPITER 10V DRY-HEAT STERILIZER



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Please read this user manual carefully before using the dry-heat sterilizer.



Manufactured in Ukraine



Thank you for purchasing the Jupiter 10V Dry-Heat Sterilizer from ÜLKA

We hope you will be satisfied with its design and performance. Before using the appliance, please read this manual carefully and use the dry-heat sterilizer according to the instructions.



Sincerely, ÜLKA

CORRECT USE AND TECHNICAL REQUIREMENTS

- ✓ ÜLKA Dry-Heat Sterilizer is designed for air sterilization of metal and glass products marked «+200°C» in the field of everyday service: in beauty salons, manicure and pedicure salons and studios, nail bars, offices of nail technicians, eyebrow artists, cosmetologists, tattoo artists, etc.
- ✓ ÜLKA Dry-Heat Sterilizer manufactured in Ukraine should satisfy the customers' demand for safe service in beauty establishments.
- ✓ The dry-heat sterilizer should be operated in rooms with artificially regulated climatic conditions in the temperature range from +10°C to +35°C, at atmospheric pressure of 837-1064 kPa and relative humidity of 80% at a temperature of 25°C.
- ✓ The dry-heat sterilizer is designed to operate on a single-phase AC mains voltage of 220 V ± 10% and frequency of 50 Hz.

DELIVERY SET

Dry-heat sterilizer.....	1 psc.
Removable sterilization tray.....	3 psc.
Electrical power cable.....	1 psc.
Fusible link (electric fuse) 250V;10A.....	2 psc.
User manual.....	1 psc.
Tweezers.....	1 psc.

MAIN TECHNICAL SPECIFICATIONS



Dimensions of the dry-heat sterilizer (mm)	535x390x265
Sterilization tray dimensions (mm)	224x294x15
External overall dimensions (mm)	550x400x260
External overall dimensions (box) (mm)	600x450x330
Sterilization chamber dimensions (mm)	233x310x162
Temperature deviation from the set value	-1/*5 °C
Heating time to sterilization temperature	15-20 min
Maximum power consumption (kW)	0,7
Weight of the dry-heat sterilizer (kg)	17
Power supply voltage (V)	220
Emergency shut-off	Yes
Fan	Yes

UNPACKING AND INSTALLING THE DRY-HEAT STERILIZER

By following these instructions you can quickly install the dry-heat sterilizer and check its functionality. Please pay special CAUTION to the instructions on where to install the dry-heat sterilizer. When unpacking it, make sure that you remove all accessories and packing materials supplied from its chamber. Check that it has not been damaged during delivery.

- 1 Unpack the dry-heat sterilizer, check the scope of delivery.

Note: If the dry-heat sterilizer is transported at negative air temperatures or high humidity, keep it at room temperature for at least 4 hours.

- 2 Place the dry-heat sterilizer on a flat horizontal surface and allow a distance of at least 30 cm at the top and 10 cm at the back and sides for sufficient air circulation and cooling of the cabinet surface. To avoid accidentally tipping the dry-heat sterilizer onto the floor, place it so that the front side is at least 8 cm from the edge of the surface on which the dry-heat sterilizer is standing.

- 3 Connect the plug of the electrical power cable to the dry-heat sterilizer.

- 4 Plug the dry-heat sterilizer into a standard power socket using the electrical plug. Before plugging it into the mains power supply, make sure that the mains power supply complies with the following requirements: the dry-heat sterilizer is designed to operate on a single-phase AC mains supply with a voltage of 220 V \pm 10% and a frequency of 50 Hz.

NOW YOUR DRY-HEAT STERILIZER IS READY FOR USE

OPERATION

The dry-heat sterilizer consists of the following functional parts: the cabinet and the door. Inside the cabinet there is a sterilization chamber made of high quality stainless steel. The space formed by the cabinet and the sterilization chamber as well as the door are filled with basalt fiber insulation. A heating element, temperature sensor and thermal fuse are mounted under the sterilization chamber.

A special removable tray(s) is(are) installed to place the sterilized items in the chamber. Control elements are located in the side part (Figure 1) and allow setting and controlling the sterilizer operation modes (time and temperature) by means of elements placed on the front panel. The sterilizer is connected to the mains by means of an electric power cable with a plug connector.

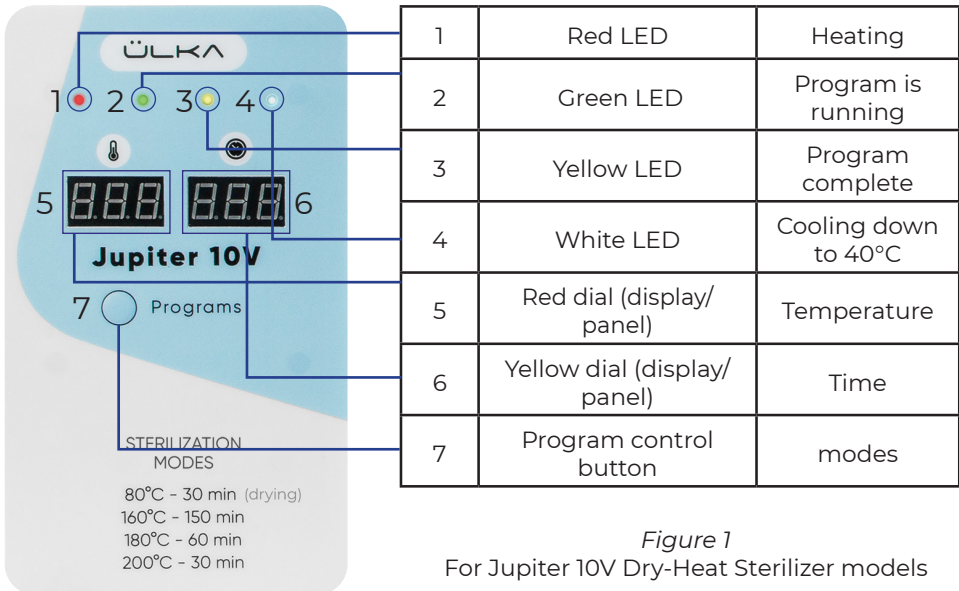


Figure 1
For Jupiter 10V Dry-Heat Sterilizer models

CAUTION! The manufacturer does not recommend sterilization in special paper bags or other sterilization materials at temperatures above 180°C.

DESCRIPTION OF THE DEVICE OPERATION

To start the operation you need, connect the cable to the connector of the dry-heat sterilizer, which is located in the back of the cabinet. After connecting the cable, turn on the button (by moving the button position upwards «|»).



After turning on the power button, all LEDs (red No. 1, green No. 2, yellow No. 3, white No. 4) light up briefly;

The dial on the left (No. 5) starts to light up and the device readiness buzzer sounds.

Shortly press button No.7 to select the program. To activate the required program, press the button for 3 seconds until the buzzer sounds. The red LED (No. 1) lights up, it means that the dry-heat sterilizer is heating up. (The red dial (No. 5) during the heating program shows the real time temperature inside the chamber).

Once the dry-heat sterilizer has reached the desired temperature, after one minute, the timer (yellow dial No. 6) will start counting down and the green LED (No. 2) will light up. (The red LED (No. 1) will periodically turn on/off to maintain the temperature in the dry-heat sterilizer chamber).

The green LED (No. 2) will be lit as long as the set program is active. The dot on the yellow dial (No. 6) flashes, the timer is counting down the time until the program is completed (in minutes). When the timer reaches 0, the flashing stops and the yellow LED (No. 3) lights up. This means that the sterilization program is complete.

Next, the chamber is cooled to a temperature of 40°C. When the chamber temperature reaches 40°C, the white LED No. 4 will light up.

In cabinet it is necessary to change the program during operation; there is a stop and subsequent reset of the program. To do this, during the operation of any program it is necessary to press and hold the button No. 7 to select the program for more than 3 seconds. After a beep, the already active program will be stopped. A short press on button No. 7 will reset the program and then you can select the

required new program again without having to disconnect the dry-heat sterilizer from the mains.

The user cannot independently set the required values of temperature and holding time. All sterilization modes are programmed automatically and comply with the Order of the Ministry of Health of Ukraine No. 553 dated 11.08.2014.

Also in these models there is an additional mode 80°C/30 min for drying instruments before sterilization. It is not mandatory.

After the set sterilization time expires, the dry-heat sterilizer will automatically shut down with an audible signal. You can then open the door, wait for it to cool down and use the medical instrument tweezers to remove the instrument/kraft bag.

Important!!!

The dry-heat sterilizer has mode No.4 — drying mode, it heats up the dry-heat sterilizer to 80°C. If wet instruments are placed in the dry-heat sterilizer, they may get yellow coat on them, and water droplets from the instruments may get on the heating element in the dry-heat sterilizer and negatively affect its operation. It is therefore worth leaving wet instruments to dry for 30 minutes first.

During the drying mode it is necessary to remove the top cover from the plug (see photo), this is done so that steam can outflow from inside the cabinet during heating and no condensation remains inside.

How to use the drying mode correctly:

instruments to be dried are placed in the chamber without (!) kraft bags;

before drying, wipe any water droplets from the instruments to prevent them from entering the drying chamber;

place the instruments in the tray so that they do not lie tightly, as in sterilization.

CAUTION!

Only take out the tray with the sterilized instruments when you have made sure that it has cooled down to a safe temperature.

Depending on the option you choose, after sterilization storage, you should:

- if you are using special paper bags (kraft bags) or other sterilization materials (approved for use in high-temperature air sterilization at 200°C) for sterilization, the storage time should not exceed the time specified by the manufacturer of your packaging materials;
- if sterilization is performed without the use of any sterilization bags or other materials, sterilized instruments should be used immediately or placed in a UV chamber.

RECOMMENDATIONS FOR LOADING THE DRY-HEAT STERILIZER

Instruments or kraft bags that are being sterilized should be placed uniformly and proportionally. In such a way that they do not overlap the openings of the tray grids. This can impede the flow of hot air. Load the tray in a single layer only; the loading density should not exceed 70% of the tray area.

CAUTION!

Incorrect loading of the dry-heat sterilizer may affect the efficiency of the dry-heat sterilizer. It is strictly forbidden to block the ventilation openings by more than 70%. Do not place instruments or kraft bags on top of each other or overload the chamber. Otherwise, heating time and energy consumption will increase. Significant temperature deviations may cause poor quality sterilization.

MAINTENANCE

The dry-heat sterilizer must be kept clean and protected from mechanical damage.

CAUTION!

Due to the use of kraft bags or other packaging materials, the sterilization chamber, the sealing gasket and the adjacent parts of the cabinet may be darkened or discolored. The discoloration does not affect the technical condition and function of the dry-heat sterilizer.

During operation, at intervals of 150 hours, it is recommended to disinfect for external disinfection by wiping the sterilization tray, accessible internal parts of the sterilization chamber and the lid of the device.

Also at intervals of 24-36 service hours it is recommended to wipe the walls of the sterilization chamber with wipes to prevent the formation of yellow deposits.

CAUTION!

During disinfection or wiping, do not allow chemicals to come into contact with the control unit, temperature sensor, thermal fuse and heating element.

IMPORTANT SAFETY RECOMMENDATIONS

READ AND KEEP FOR FUTURE REFERENCE

To avoid the risk of fire, electric shock, burns, injury or damage when using the dry-heat sterilizer, read all instructions and follow them clearly. These instructions do not include all possible cases that may occur. If you have any questions, please contact the manufacturer.

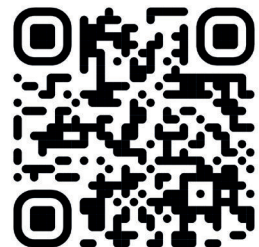
- 1 The dry-heat sterilizer is not intended for use by children, physically, sensory or mentally handicapped persons.
- 2 Keep the appliance and its power supply cable out of the reach of children.
- 3 During operation, some accessible parts are heated to a high temperature. To avoid burns and other negative consequences, do not touch and/or load/unload the sterilization chamber while the dry-heat sterilizer is in operation. Wait for the sterilizer to cool down before removing the tray or kraft bags.
- 4 The unit should be placed on a dry and flat surface during operation. Also, do not place the dry-heat sterilizer on a hot surface or near an open flame.
- 5 While the dry-heat sterilizer is in operation, the surface lid may become hot up to 65°C, as warned by the yellow information label on the outside. Open the lid by pressing it and use protective gloves.
- 6 Periodically check the electrical cable for possible damage. Check only when the cable is unplugged from the socket.
- 7 Do not use the electrical appliance for any other purpose, including drying, heating any objects/materials other than instruments/materials approved by these user manual for sterilization.
- 8 Do not remove the protective grill of the heating element while the sterilizer is in operation or when connecting the

power supply cable to the electrical mains.

- 9 Instruments/materials whose specifications require heating up to 200°C are to be sterilized. The use of unsuitable instruments/materials, including sterilization/kraft bags, may result in damage to the appliance, injury or fire.
- 10 Do not attempt to repair the appliance yourself. It is dangerous to perform any repairs to the dry-heat sterilizer, especially those involving the removal of any cabinets and lid.
- 11 If any malfunction is detected, stop using the appliance, disconnect the power supply cable from the socket and contact the manufacturer. Repairs to the dry-heat sterilizer must only be carried out by personnel authorized by the manufacturer. Inadequate and unqualified repair work may result in accidents, injuries and losses for the user.
- 12 This electrical appliance must be plugged into a grounded power connector.
- 13 If any malfunction is detected, the dry-heat sterilizer must be taken out of service until it is corrected.
- 14 The Jupiter 10 V dry-heat sterilizer is not a sealed device.

CAUTION!

The dry-heat sterilizer comes with a special fuse to protect it against possible damage from overvoltage or short circuit. If this fuse burns out due to such situations, you just need to replace it with a new one, which is also included in the kit. How to replace the fuse, watch the video by QR code:



IT IS STRICTLY FORBIDDEN

- ! Loading, unloading or any repairs during the operation of the dry-heat sterilizer.
- ! Place in the sterilization chamber flammable materials, or materials/instruments/items whose technical characteristics do not correspond to the possibility of heating up to 200°C.
- ! ! Pour any liquid into the sterilization chamber!
- ! Plug the dry-heat sterilizer into the mains with the control box cover removed.

AUTOMATIC SHUT-OFF SYSTEM

THE DRY-HEAT STERILIZER SWITCHES OFF AUTOMATICALLY WHEN:



The temperature in the sterilization chamber exceeds 220°C.

The temperature of the outer surface of the lid exceeds +65°C.

CAUTION!

The dry-heat sterilizer must be unplugged from the wall outlet when not in use. The manufacturer reserves the right to make minor design changes. Also, the manufacturer retains the right to change the accessories



DEAR BUYERS!

ÜLKA Dry-Heat Sterilizer complies with technical specifications and is recognized as suitable for commissioning.

ACCORDING TO THE ORDER OF THE MINISTRY OF HEALTH OF UKRAINE №. 552 DATED 11.08.2014 “ON APPROVAL OF STATE SANITARY NORMS AND RULES — DISINFECTION, PRE-STERILIZATION CLEANING AND STERILIZATION OF MEDICAL DEVICES IN HEALTH CARE INSTITUTIONS” *

The following sterilization modes are used for air sterilization:

STERILIZATION MODE				TYPE OF MEDICAL DEVICES RECOMMENDED FOR STERILIZATION BY THIS METHOD
Sterilization temperature, °C		Sterilization holding time, min		
Nominal value	Limit deviation	Nominal value	Limit deviation	
1	2	3	4	4
200	+3 (-1/+5)***	30'	+3	Medical products made of metals, glass and rubber-based rubber sterilization materials approved for use in Ukraine in accordance with the established procedure or without packaging (in open trays or mesh metal baskets)
180	+2 (-1/+5)***	60	+5	
180	+3 (-1/+5)***	45 и 60 (30')	+5	
160	+2 (-1/+5)***	150	+5	
160	+3 (-1/+5)***	150 (70')	+5	
TYPE OF LAKING MATERIAL		6	Moisture-resistant sack paper, high-strength packaging paper for packaging and others	

- The sterilization holding time is specified for new generation air dry-heat sterilizers with maximum temperature deviations in the sterilization chamber -1/-5°C from the normal value (the time is specified in the technical certificate for a particular sterilizer model) with a fan.

** Specific types of single-use imported packaging materials recommended for air sterilization of medical devices, as well as the corresponding storage time in them sterile products are specified in the user manuals.

*** In EU countries (according to European EM standards).

!CAUTION!

The manufacturer does not recommend sterilization in special paper bags or other sterilization materials at temperatures above 180°C.

INFORMATION FOR SPECIALISTS



HANDS ANTISEPTIC TREATMENT

Before starting the manicure, the nail-master should wear disposable gloves or treat his/her hands and client's hands with antiseptic agent. The solution is applied to dry hands from the dispenser. It's forbidden to use antiseptic on bracelets, rings and other jewelry on hands. Apply the antiseptic agent according to the manufacturer's recommendations.



DISINFECTION OF INSTRUMENTS

Prepare the disinfectant solution according to the manufacturer's recommendations. For exact proportions, use a measuring cup or disposable syringe. First pour water, then the concentrate. Opened or disassembled instruments are completely immersed in the working solution for the time specified in its guidelines.



INSTRUMENT WASHING

After disinfection, the instrument is thoroughly washed under stream water and allowed to dry on a disposable towel or use the drying mode in a sterilizer – 80°C for 30 min.

STERILIZATION IN A DRY-HEAT STERILIZER



Dry instruments are put into a kraft bag or placed on the sterilization tray in such a way that the ventilation openings are not blocked by more than 70%. Instruments or kraft bags must not be placed on top of each other.

Sterilization modes approved by the Ministry of Health of Ukraine

Sterilization temperature, °C	Sterilization time, min	Temperature limit deviation
200	30	+3 (-1/+5)
180	60	+3 (-1/+5)
160	150	+3 (-1/+5)

STORAGE



After sterilization, the instrument should be stored in a UV cabinet. If you use kraft bags, storage in a UV cabinet is not necessary.



WARRANTY CARD

Nº1

Seller _____

Sale date _____

Conditions

The manufacturer provides warranty service for 18 months from the sale date of the device. When purchasing the dry-heat sterilizer, demand that it is checked for proper operation and completeness in your presence. The boxes in the warranty card must be filled in correctly; the information must correspond to the data of your dry-heat sterilizer and the warranty.

The manufacturer retains the right to change the accessories.

WARRANTY CONDITIONS

Warranty repair is provided on condition when provided the following:

- written proof of payment;
- correctly filled in warranty card.

Delivery of the equipment subject to warranty repair to the service department is carried out by the customer himself and at his own expense, unless otherwise specified in additional written agreements.

The warranty does not apply to materials, parts and accessories that are considered consumable or auxiliary.

The warranty does not cover discoloration or scaling of the walls of the sterilization chamber, the sealing gum and the adjacent parts of the cabinet due to the use of kraft bags or other packaging materials during sterilization.

CONDITIONS FOR INTERRUPTION OF WARRANTY OBLIGATIONS:

Warranty obligations may be interrupted in the following cases:

- failure to match the serial number of the equipment provided for warranty service with the serial number specified in the information and/or other written agreements;
- apparent or concealed mechanical damage to the equipment caused by improper transportation, storage or operation;
- non-compliance with the “User’s Manual” and operating conditions detected during repair;
- damage of control labels and seals (if any)
- the presence of foreign objects inside the cabinet, regardless of their nature, if the possibility of this is not specified in the technical documentation and “User’s Manual”.
- If the product fails during the warranty period as a result of improper use, the cost of repair and delivery to the manufacturer is paid by the customer.

CAUTION!

The manufacturer declines responsibility for possible damage, directly or indirectly caused by the sterilizer to people or property, if it occurred due to non-compliance with the rules and conditions of operation, installation of the device, intentional or negligent actions of the customer (consumer), third parties, as well as losses and non-pecuniary losses associated with damage and inability to use the device.

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