

USER MANUAL



Bacteria UV sterilizer UVC-1

This User Manual includes key features, operating instructions, intended use, maintenance, repair, storage and transportation of Bacteria UV sterilizer UVC-1 (hereinafter referred to as the Device).

Attention!

Please carefully read the present User Manual before using the Device.

Follow the rules, restrictions and instructions contained in this User Manual in order to increase the lifespan of the Device and to use it more effectively.

Violation of the storage instructions and operating rules will lead to manufacturer warranty termination.

Attention!

After transportation during winter period or long storing keep the Device at room temperature for two hours before using it.

1 DEVICE DESCRIPTION AND OPERATION

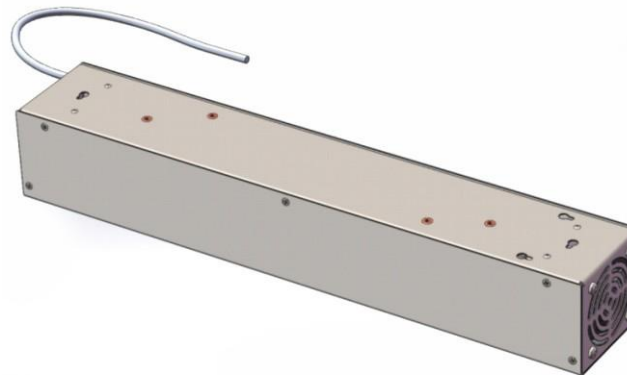
1.1 Device description

1.1.1. The Device is a household appliance used for air disinfection in living areas, offices and industrial premises. In general, the Device is intended for use in procedures aimed to decrease the number of pathogens contained in the air in order to prevent diseases. Operating principle is based on pumping room air through a closed housing of the Device and exposing it to ultraviolet (hereinafter referred to as UV). Emission of the built-in UV lamp has a maximum wavelength of 253.7 nm and destroys all types of harmful microorganisms: bacteria, viruses, molds, fungi, etc.

1.1.2. This is an enclosed-type device which operates completely safely with people present.

1.2 Technical features

1.2.1. Visual appearance of the Device is shown in the Picture 1.



Pic.1

1.2.2. Technical features are presented in the Table 1.

Table 1

Parameter	Value
Dimensions	450x78x72 mm (17.9x3.1x2.9 in)
Weight	2.2 kg (4.85 lb)
Supply voltage (50 Hz)	230±23 V
Power consumption	15 W
Number of UV lamps	1
Power of UV lamp	8 W
Type of UV lamp	TUV8w Philips
Endurance of UV lamp	11000 hours
IP Code	IP20

1.3. Device components and supplied package

Device components and supplied package are specified in the Table 2.

Table 2

	Description	Quantity	Notice
1	Bacteria UV sterilizer UVC-1	1	
2	UV lamp	1	Installed in the Sterilizer
3	Individual packaging	1	
4	User Manual	1	

1.4. Structure and functioning

1.4.1. The Device is constructed of a metal housing with polymer or powder coating with a built-in UV lamp, start-control devices and a fan for forced air circulation.

There are mounting holes for wall mounting (horizontal or vertical) located on the lower side of the housing.

The Device is equipped with a power cord and a power switch on it.

1.4.2. Disinfection is conducted by circulating room air through the closed housing of the Device and exposing it to ultraviolet. Forced air circulation is provided by the fan.

1.4.3. The UV lamp needs to be replaced after 11000 hours of operation.

2 INTENDED USE

2.1 Operating restrictions

2.1.1. Do not drop the Device.

2.1.2. Ultraviolet is harmful for eyes! It is strictly prohibited to peep into holes of the housing when the Device is operating. Also, it is prohibited to switch on the Device with the housing lid removed.

2.2 Setting-up procedures

2.2.1. Before operating the Device, you need to:

– Install the Device on an even horizontal surface (a table, a bedstand) or mount it horizontally on a wall at a height of 2.0-2.1 m (6.5-6.9 ft) above the floor. Either mount it vertically with the lower side at a height of 1.6 m (5.2 ft) above the floor (not less).

– Plug in the power cord.

2.2.2. The Device can be switched on and off by a switch located on the power cord.

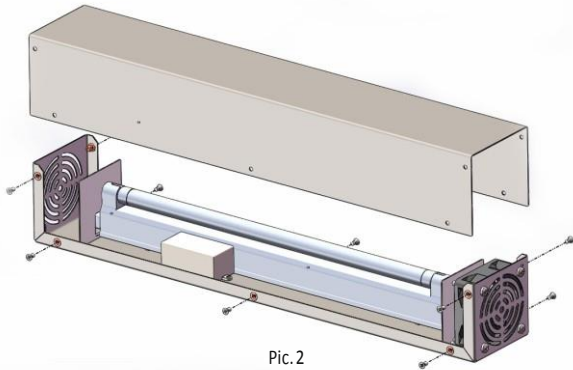
3 MAINTENANCE

3.1. Make sure the Device is unplugged before performing any maintenance.

3.2. Prevent the UV lamp from damaging while maintaining the Device.

3.3. Maintenance requires cleaning the housing and the lamp from dust as well as replacing the lamp once it's dead.

3.4. Unscrew the screws on the housing to remove the lid as shown in the Picture 2 in order to clean or replace the lamp.



Pic. 2

3.5. Use a sponge soaked in distilled water (make sure it is wrung-out) for cleaning the lamp. The lamp must be clean as even a film of dust on the lamp affects bactericidal property of the Device.

3.6. In order to replace the lamp:

– rotate the lamp around the longitudinal axis by 90 degrees, so that the electrode terminals (screw caps) are opposite to the groove in the lamp holder

– remove the screw caps from the lamp holders;

– install a new lamp and rotate it by 90 degrees.

3.6. 4 TROUBLESHOOTING

Typical problems and possible solutions are specified in the Table 3.

Table 3

Problem	Possible reason	Possible solution
UV lamp doesn't work	Need to replace UV lamp	Replace UV lamp
	The Device is defective	Take the Device to a service center
The fan doesn't work	The Device is defective	Take the Device to a service center

5 PACKAGING AND TRANSPORTATION

Each device is packed in an individual package according to the supply package as indicated in Table 2. Device moving in the package is not allowed.

Packaged devices can be transported by vehicle or railway in covered trucks or containers, by air in pressurized compartments.

During transportation packed packages should be protected from precipitation and direct sun rays.

Transportation conditions:

- Surrounding air temperature: from -50 up to 50° C (-58 to 122° F);

- Relative humidity up to 95 % at 25°C (77°F);

- Atmospheric pressure from 84 up to 107 kPa (630 - 800 mmHg);

- Shock acceleration peak value is up to 147 m/s² (15 g), with a duration of shock acceleration 10 ... 15 ms.

The requirements on warning signs must be strictly obeyed when loading and transporting.

6 MANUFACTURER WARRANTY

6.1 Service life of the Device is 5 years.

6.2 Manufacturer warranty period is 12 months from the date of purchase.

6.3 If the Device fails during the warranty period, the supplier (manufacturer or companies providing maintenance services) should replace or repair it at its own expense.

6.4 Warranty is voided in the following cases:

- After warranty period expiration;
- Violation of the operation, transportation and storage instructions;
- Mechanical damages causing failure of the Device after the purchase;
- Manufacturer sealing is broken.

6.5 Repair and maintenance of the devices with an expired warranty period is covered at the customer's expense.

Manufacturer has the right to amend and change characteristics of the Device in order to improve its consumer properties.

Manufacturer's technical support:
www.en.i4technology.ru



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Questions concerning the exchange after-sales service should be applied to the distributor that completed