



**INSTRUCTION MANUAL**  
**AIR PURIFIER UVG80**



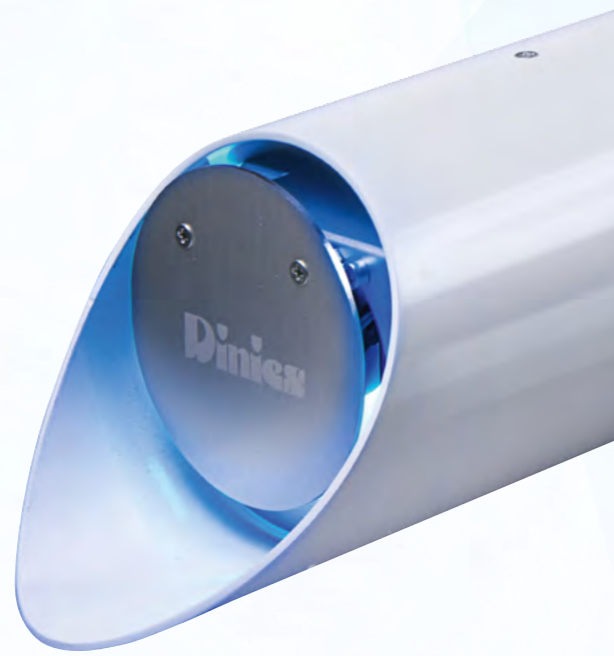
**Dinies** . . . . .

INSTRUCTION MANUAL  
ENGLISH

AIR PURIFIER UVG80



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## 1. Foreword

We are delighted that you have chosen our product. This instruction manual contains important information for proper and safe operation of the product.

Read the manual completely before using the product. Otherwise danger to persons and damage to the product can occur. Please keep the instruction manual.

## 2. Basic facts about UV-C

Effective hygiene with UV-C! Microorganisms exposed to natural sunlight will be killed in a natural way. According to this principle from nature, artificial UV-C light was developed many years ago.

UV-C light is short-wave radiation in the range of 280-100 nm, which is not visible to the human eye. In the area of 254 nm, UV-C light has a strong germicidal effect, so even dangerous germs, bacteria, viruses and mould spores will be destroyed within a short time without the use of chemicals. The DNA of the microorganisms is changed in the core so that reproduction is no longer possible. This has the consequence that the microorganisms die. The ultraviolet light is therefore an economical and environmentally friendly alternative to chemical disinfection.

The area of application is very diverse and almost unlimited: healthcare, food industry, water utilities, air conditioning and ventilation systems, pharmaceutical industry, industrial hygiene, kindergartens, hotels, offices, cooling and storage rooms and much more.

## 3. Product description

### 3.1 Air purifier UVG80

The **Dinies Air Purifier UVG80** was specially designed for the disinfection of air for room sizes up to 40m<sup>2</sup> for bacteria/viruses and up to 15m<sup>2</sup> for mold/spores. Due to the complete shielding of the UV-C tube, persons are able to stay safely in the room. By means of the built-in fan, the room air is guided past the UV-C lamps, destroying the microorganisms present.

As a result, you have extremely effective, economical and environmentally friendly air purification. Undesirable microorganisms, viruses, germs, yeasts and spores are destroyed up to 99.9% without the use of chemicals. This series is available in three other power classes: UVG18, UVG120 and UVG360.



### 3.2 Scope of delivery:

- UVG80 air purifier with power cord
- UV-C tube (must still be installed)
- Wall mount and pedestal (both are mounted on the device for transportation purposes, see point 6.2.1.)
- Mounting kit
- Instruction manual

### 3.3 Spare Parts

- UV-C tube: H58-846 (Item No. 102919)
- Quartz tube: 846/23 (Item No. 100590)

## 4. Safety provisions

**Please read this carefully before first use!**

- The Air Purifier UVG80 generates light inside the UV-C unit.
- UV-C light is harmful to eyes and skin. Never look into the UV-C light with unprotected eyes.
- UV-C light can also damage plastics and other materials through prolonged exposure.
- The air purifier may only be operated with the lamp cover.
- If the power cord or plug is damaged, it must be replaced by the manufacturer.
- The device must not be used in rain or immersed in liquids.
- The device has a protective conductor.
- It must always be connected to a socket with a protective conductor.
- If liquid gets into the device, it must be switched off immediately and checked by an expert.
- The fan must never be covered.
- No parts should be inserted into the fan.
- The device may only be used in accordance with these instructions.
- In the case of contravention, the manufacturer assumes no liability or warranty.
- The instruction manual is part of the device and must be kept with the appliance.
- During operation keep a distance of 1 m to the appliance.
- The device must be set up in such a way that children and people with disabilities have no access.



## 5. Technical data

	UVG80
Rated voltage	230V/50 Hz
Rated power	70W
UV-C Power	23W
Air flow rate	70 m³/h
Dimensions (LxWxH)	1160x 130x 130 mm
Max. recommended room size	40 m² (bacteria/viruses) 15 m² (mold/spores)

## 6. Installation

### 6.1 Inserting lamps (see 8.1 Lamp installation)

### 6.2 Assembly

When setting up the UVG80 especially in kindergartens, nursing homes, etc. ensure that children and disabled persons have no access to the UVG air purifier. The unit should therefore be installed out of reach of this group of people.



#### 6.2.1 Preparations

1. Wall mount and pedestal are both mounted on the device for transportation purposes (Figure 1)
2. Recommended tool: Screwdriver PH 1 or PH 2
3. Loosen both screws with the enclosed Allen key and remove the wall bracket from the device (Figure 2)
4. Continue with points 6.2.2. or 6.2.3.



Figure 1



Figure 2

Loosen the screws

#### 6.2.2 Pedestal

If you want to use the device with the pedestal, you can simply tighten the screws again after removing the wall mount (see point 6.2.1 Preparations).



### 6.2.3 Wall mount

1. Attach the wall mount at the desired height. Make sure that the height is sufficient (min. 2 m) so that it is not possible to look directly into the interior of the device (see point 4 safety remarks) (Figure 3)
2. Make sure that the wall is suitable and stable and that the wall mount is correctly aligned (Figure 3)
3. Hang the device on the installed wall mount and tighten the two screws (Figure 4)



Figure 3

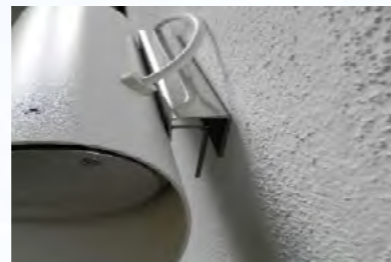


Figure 4

## 7. Operation

After all installation work has been completed, you can plug in the UV air purifier and turn the power on. People can stay in the room risk free, as only disinfected air penetrates to the outside. Keep a distance of 1 m, when the appliance is in operation.



## 8. Maintenance and transportation

### 8.1 Lamp replacement

**Warning: Risk of electric shock!**  
Disconnect the device from the power supply and wait until the lamp has cooled down

#### 8.1.1 Lamp removal

1. Screw off the round cover on the side with the yellow UV safety sticker (Figure 5)
2. Loosen the spacing bolts (Figure 6)
3. Remove the cover ring (Figure 7)
4. For safety reasons it is recommended to wear gloves
5. Pull off the black cover cap (Figure 8)
6. Carefully pull the cable until the lamp is visible from the holder (Figure 9)
7. Remove the cable connector from the lamp (Figure 10)
8. Pull out the old lamp and dispose of it properly



Figure 5



Figure 6a



Figure 6b



Figure 7



Figure 8a



Figure 8b



Figure 9



Figure 10

### 8.1.2 Lamp installation

1. For safety reasons it is recommended to wear gloves
2. Carefully insert the new lamp into the quartz tube and let about 5 cm peek out (Figure 10)
3. Connect the cable connector to the lamp (Figure 9). The plug is reverse polarity protected and works in both directions
4. Insert the lamp completely and attach the black cover cap (Figure 7 & 8)
5. Fasten the cover ring with spacing bolts (Figure 6)
6. Screw the round cover back onto the spacing bolts (Figure 5)

### 8.2 Other maintenance measures

- For maintenance and transportation, the equipment must always be unplugged.
- In order to avoid premature replacement of the lamps, severe shocks to the device should be avoided (risk of breakage).

#### Regular maintenance

- Check air inlet before each use for dirt, if required remove with a vacuum cleaner.
- Replace the lamps every 12,000 hours of operation (approximately once per year).
- After about 16,000 hours, the lamp power is reduced to approximately 70%.
- Due to frequent movement of the device, the number of operating hours may be reduced.

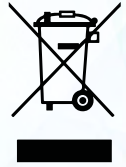
## 9. Warranty

Excluding the UV-C tubes, Dinies Technologies GmbH provides a warranty of 12 months. The return costs will be borne by the buyer. Incorrect installation, improper use or poor maintenance will void your warranty.



## 10. Recycling

Electronic devices may not be disposed of with household waste. Please dispose of the device at the end of its service life in accordance with the statutory provisions.



## 11. CE Declaration of Conformity

in accordance with the EU low-voltage directive 2014/35/EU in accordance with appendix III B; of February 26, 2014

We hereby declare that the product named below, in its conception and design as well as in the version brought into circulation by us, complies with the fundamental safety and health requirements of the relevant guidelines. This declaration loses its validity in the event of a change to the product or the intended use that has not been agreed with us.

**Manufactures name or of his representative:**

Dinies Technologies GmbH  
Gewerbestraße 5  
D-78667 Villingendorf  
Germany  
Tel: +49-741-348541-0

**Description of the electrical equipment:**

Function : UV-C Air sterilizer  
Type designation : UVG18, UVG80, UVG120, UVG360

**Specification of further valid guidelines which declare conformity:**

- 2014/30/EU (EMC Directive)
- 2014/35/EU (Low Voltage Directive)
- 2011/65/EC (ROHS Directive)

**Reference to the harmonized standards:**

- EN 55015:2013 & EN 55014-1:2017 + A11:2020 (EMC emission),
- EN 61547:2009 & EN55014-2:2015 (EMC immunity)
- EN 60335-2-65:2003 + A1:2008 + A11:2012

**Year of the CE characteristic assignment:** 2020

**Place, date:** Villingendorf, 01.07.2022

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Cajus Dinies, General Manager