

**deconta**

# Original instruction manual



**Luftreiniger R 150 silent**



## Änderungsindex

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This instruction manual was first produced on behalf of (2020-2968) uttc – Ingenieurgesellschaft mbH, Friedrich-Heinrich-Allee 159, D-47475 Kamp-Lintfort ([info@uttc.de](mailto:info@uttc.de)). It has been prepared to the best of our knowledge and all amendments to the original version are included here.

If you discover an error or find the instructions ambiguous, please inform us about the same. We would appreciate customer feedback as this helps improve our overall customer satisfaction.

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This instruction manual must be kept with the of product appliance at all times.

A copy of this instruction must also be supplied when selling this appliance.



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# 1 Information on reading

## 1.1 Abbreviations, synonyms, signs

Abbreviation/ Synonym	Meaning
PSA	Personal protective equipment (PPE)
EMV	Electromagnetic compatibility (EMC)
BetrSichV	Ordinance on Industrial Safety and Health
DGUV	German Social Accident Insurance
Gerät	Luftreiniger R 150 silent
ICNIRP	International Commission on Non-Ionizing Radiation Protection

Signs	Meaning
→	Guide to actions
●	Enumeration
📄	Request to read other documents
Italic	Name of a button, push-button, switch

## 1.2 Risk reduction through user information

According to § 3 of the law concerning liability for defective products (ProdHaftG), a product is defective *“if it does not offer the safety which a person is entitled to expect, taking all circumstances into account, including the presentation of the product, the use to which it could reasonably be expected to be put and the time it was put into circulation”*.

User information in the form of a manual or instruction manual is part of the presentation of a product. It must contain all relevant information for safe use throughout the entire service life of the product. This includes the intended use and foreseeable misuse as well as emergency measures.

The directives, standards and regulations that apply to the product may contain requirements for the content of user information.

Directives, standards and regulations other than any C standards are, for example:

- 2006/42/EC Machinery Directive, Attachment I, Chapter 1.7.4
- EN ISO 12100 - Safety of machinery - General principles for design - Risk assessment and risk reduction
- EN 82079-1 - Preparation of instructions for use - Structuring, content and presentation - Part 1: General principles and detailed requirements

## Information on reading

### Risk reduction through user information

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#### Chapter Safety

The chapter provides information on the measures for your safety. The information ought to build awareness for safe actions. The objective is to provide a base for trainings and briefings.

#### Information on remaining risks

Safe use also includes knowledge about existing remaining risks. Possible residual risks that may still be present after the completion of risk reduction must be clearly indicated in an instruction book or handbook. The EN 82079-1 standard specifies the content and form of presentation of residual risks. For the description of residual risks, a distinction is made between three hazard levels, which are visualised with signal words and assigned symbols.

The safety-related information explains the hazards onem Gerät the appliance and how to avoid these hazards.

Please read the safety-related information carefully. Your expertise will help you to identify dangerous situations and to protect yourself and others.

SIGNAL WORD	Degree of risk of the hazard	Meaning
 <b>HAZARD</b>	high	Death, grievous bodily injury will occur if the hazard is not avoided.
 <b>WARNING</b>	medium	Death, grievous bodily injury may occur if the hazard is not avoided.
 <b>CAUTION</b>	low	Minor or moderate injury may occur if the hazard is not avoided.
 <b>Information</b>	not safety-relevant	General information as well as user tips and work recommendations for efficient and trouble-free operation.

## Warning

### **SIGNAL WORD**

This warning text identifies the source of the hazard and the area of effectiveness.

This warning text indicates the consequences.



→ This instruction states the remedy (possibilities for avoidance etc.).

This instruction manual contains warnings in several chapters. A warning always warns you against imminent danger. It should be read in conjunction with the situation in which the warning is given. The objective is to avoid accidents and damages.

## Additional information

### **Information**

This indication text provides further information from the risk assessment.

This warning text indicates the consequences.

→ This instruction states the remedy (possibilities for avoidance etc.).

This instruction manual may contain additional indications in several chapters. These indications must only be understood in context.



## 2 Legal regulations

### 2.1 Exclusion of liability

In the event of misuse, incorrect operation or improper repair, no liability is accepted for any damage. Guarantee services are also excluded in such cases.

### 2.2 Existing directives

 Refer to the EC Declaration of Conformity in chapter 1212.

## 3 Safety

### 3.1 Intended use

The air purifier is designed to specifically improve air quality in medical, public, commercial and residential areas (including medical clinics, hospitals, retirement homes, offices, restaurants).

In the basic version, filtration is carried out via a 3-stage filter system consisting of a pre-filter, a filter for suspended matter (HEPA filter) and a switchable UV-C lamp (if installed).

Optionally, the appliance can be equipped with an activated carbon mat or with a larger activated carbon cassette filter with downstream HEPA filter to remove odours from the room air.

The user must comply with the specified operating parameters of this manual. The appliance may only be used according to its intended use. Any other use beyond this is not considered as intended use. The user is liable for any resulting damages or injuries of any kind whatsoever.

The appliance as Gerät may:

- be used only for commercial and private purposes,
- only be operated indoors, i.e. in a building,
- not be operated outdoors,
- not be used in potentially explosive surroundings.

The appliance as Gerät is built according to the state of the art and the recognised safety rules.

Yet, improper or unintended use of the appliance as Gerätes may lead to hazards to life and limb of the user or of third parties or it may lead to damages to the machine and other tangible assets.

The application area of appliance as Gerätes is the residential and commercial sector.

# Safety

## Intended use

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The intended use covers the compliance with this instruction manual as well as instruction manuals of suppliers and the compliance with the inspection and maintenance requirements of the suppliers.

The manufacturer shall not be liable for non-compliance and for any resulting damages. The risk shall be borne by the operator.

If there are faults during operation:

- Switch off the appliance as Gerät immediately,
- Inform the specialised staff or the suppliers.

### Reasonably foreseeable misuse

Every use other than the one described in this instruction manual shall be deemed as a reasonable foreseeable misuse.

This includes:

- operation in potentially explosive surroundings,
- operation without sheet metal cladding or protective housing,
- the mechanical or electrical bypassing of the appliance as Gerätes or appliance Geräteparts,
- the use of parts other than the original parts or parts outside the specification of the replaced part,
- modifications, changes and manipulations,
- the non-compliance of instructions and specified operation, maintenance and repair requirements,
- the non-compliance with rules and regulations in the country of use and the statutory regulations and accident prevention regulations when dealing with the appliance as Gerät,
- the operation of the appliance as Gerätes outside technical data.

## 3.2 Gerät

### 3.2.1 Power switch



Abb. 1 Power switch

The power switch of the appliance is located underneath the power socket. When not in use, the appliance must be switched off or disconnected from the power supply system.

### 3.2.2 Labels on the applianceem Gerät

Safety-related information is attached to the applianceem Gerät in the form of pictograms and/or labels. They indicate risks, which:

- occur frequently and/or
- have serious consequences.

The following labels are attached to the applianceem Gerät:

Meaning	Location	Label
Warning against dangerous electrical voltage	Connection socket for the supply cable	
Warning against UV radiation	UV lamps (if installed)	

### 3.2.3 Protective conductor, earthing and equipotential bonding

The following is installed on the appliance:em Gerät

Description	Function	Pictogram
Protective conductor	Protects people from electric shock.	

## 3.3 Safety instructions

In this chapter, you will find safety-related information to prevent hazards related to the appliance.as Gerät Compliance with the safety instructions protects the user of the Gerätappliance, living beings and the environment from damage.

The safety instructions are sorted according to their area of application.

### 3.3.1 According to the source of the hazard

Applies in all phases of life for the entire appliance.as Gerät

#### Power

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##### Electrical energy

The supply voltage of the applianceem Gerät is 230 V. Touching live parts leads to fatal electric shock.

- Before performing filter change, switch off the power switch and disconnect the supply cable from the supply cable to prevent it from being switched on again.
- Replace the damaged supply cable immediately.

#### UVC radiation

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##### UV lamps (if installed)

UV radiation, direct or indirect, is harmful to health and can cause damage to eyes and skin.

There is no danger during proper operation.

- When working on the UV lamps, pull the mains plug! If the mains plug is not unplugged, the lamps switch off automatically as soon as you tilt the appliance or remove the cover.
- To make it more difficult to remove the pre-filter improperly, an optional protective grille can be fitted. Note that this reduces the volume flow minimally.

The following measured value for UVC radiation was determined with proper operation and built-in pre-filter:

- Measured irradiance, distance of 0.2 m from appliance and floor =  $0.001\mu\text{W}/\text{cm}^2$
- Limit value for irradiance according to ICNIRP recommendation and directive 2006/25/EC =  $0.1\mu\text{W}/\text{cm}^2$

### **Substances, materials**

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#### **Ozone (if UV-C lamps are installed)**

UV lamps are installed on the appliance.em Gerät During the first approx. 100 burning hours, there is little ozone formation, which then comes to a complete standstill.

Ozone is an irritant gas that is not dangerous in small doses. Ozone, in combination with cigarette smoke, can produce harmful decay products. It has a very strong inherent odour, which however dissipates quickly after switching off.

- Even if there is no direct health hazard from ozone, we recommend ventilating the room during the first 100 operating hours.

#### **Mercury (if UV-C lamps are installed)**

The mercury contained in UV lamps can be released when the lamp breaks. Mercury is harmful to the health of all living beings!

- Ventilate the room for at least 30 minutes.
- Remove the splinters and broken fragments with gloves only.
- Do not use a vacuum cleaner.
- Place the splinters and broken fragments in a sealable plastic bag.
- Take the splinters and broken fragments to a collection station.

### **Aging, wear and tear**

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#### **Unnoticeable wear and tear**

The appliance as Gerät and its safety equipment are subject to aging. The components have been designed according to the expected loads. Despite this, they age and wear out. Components can become defective earlier than expected. If ageing, wear and defective parts are not identified, it may lead to severe injuries.

- Follow the filter change intervals.
- Perform regular visual inspections.

#### **Human error**

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- Connect the appliance only to 220 - 240 volts alternating current.
- The appliance must never come into contact with water during cleaning.
- Do not cover the air intake and outlet nozzles during operation.
- Switch off the appliance with the power switch during longer interruptions.
- Remove spilled substances immediately.

### 3.3.2 After the operation phase

Applies in special phases of life for the entire appliance.as Gerät

#### **Transport**

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##### **Power connections**

The appliance as Gerät is connected to the power supply system via the house connection. Cables and wires can be damaged even with a minor change in the location. Cable damage can cause metal parts to become live. Cables can break off and be exposed. An electric shock is possible.

→ Disconnect the appliance as Gerät from the energy sources before every transport.

#### **Assembly**

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##### **Positioning**

The appliance is delivered as ready for operation ex works and is intended for immediate commissioning. Installation is therefore not necessary.

- Do not operate the appliance if there is visible damage. Please get in touch with deconta GmbH immediately.
- When setting up the appliance, please ensure that the surface is even and stable.

#### **Initial operation**

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##### **First intended use**

- Connect the appliance only to 220 - 240 volts alternating current.
- Switch the appliance on at the power switch on the power socket.
- Check the touch screen by tapping on the image of the air purifier.

The appliance starts in manual mode and is immediately ready for operation.

#### **Operation, handling**

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##### **Display**

The appliance is operated via a display. Only very little pressure is needed to tap on one of the buttons.

- Do not touch the display with sharp objects.

## Repair and maintenance work

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### Filter change

The various filters of the appliances Gerätes are compatible in their parameters and in their construction. Replacing them with unsuitable filters may result in malfunction and danger to persons using the appliance.em Gerät

- Use only original spare parts or spare parts that meet the specification of the original spare part.
- Repairs may only be carried out by a qualified electrician.

## Disposal

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### Avoid environmental damages



This symbol on the product, operation manual or packaging indicates that this product should not be disposed of with normal household waste at the end of its life.

- It must be sent to a collection point for the recycling of electrical and electronic appliances.
- Please contact your local authority to find out which disposal centre is responsible.

The materials are recyclable according to their identification. With the proper supply of old appliance for recycling, material recovery or other forms of recovery, they make an important contribution to protecting our environment.

### Information

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- The disposal of used filters may be subject to certain regulations or laws if they filter harmful substances.
- Filters must be disposed of in accordance with legal regulations.

### 3.3.3 According to the location of the hazard

Applicable for special appliance Geräteparts in all phases of life

#### **Supply cable of the appliance**

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##### **Electric shock due to defective supply cable**

Touching a defective supply cable may result in death or serious injury.

Do not damage the supply cable (e.g. by vehicle overrun, tearing, squeezing).

- Regularly check the supply cable for damage.
- Have defective supply cable replaced before use by the deconta service or a qualified electrician."



# Appliance description

Scope of delivery

## 4 Appliance description

### 4.1 Scope of delivery

The following is included in the scope of delivery of an air purifier, regardless of whether an appliance was purchased or rented, unless agreed otherwise:

- Air purifier
- HEPA filter (already installed in the appliance)
- Pre-filter (already installed in the appliance)
- 2 UV-C lamps (if installed)
- Mains cable
- 4 steering rollers with fixing material
- Filter certificate
- Certificate of appliance test
- Instruction manual

### 4.2 Technical data

*All data on air performance and volume flows are taking into account a measuring tolerance of  $\pm 15\%$  based on the measuring range end value, determined in a multi-point measuring method with a calibrated vane anemometer.*

#### Dimensions and weights of the applianceses Gerätes

Description	Value
ApplianceGerät L x W x H	393 mm x 463 mm x 950 mm
Weight with large HEPA filter and pre-filter	22.0 kg
Weight with large HEPA filter, pre-filter and activated carbon filter	23.5 kg
Weight with large HEPA filter, pre-filter, activated carbon filter and small HEPA filter	34.5 kg

#### Performance data

Description	Value
Mains connection	230 V / 50 Hz
Performance	220 W
Standby	1.3 W
Protection type	IP 20
Mains input fuse	2 A

## Volume flow (at 100% performance)

Description	Value
Filter equipment <ul style="list-style-type: none"> <li>• HEPA filter - large</li> <li>• Pre-filter</li> </ul>	1062 m <sup>3</sup> / h
Filter equipment <ul style="list-style-type: none"> <li>• HEPA filter - large</li> <li>• Pre-filter</li> <li>• Activated carbon mat</li> </ul>	533 m <sup>3</sup> / h
Filter equipment <ul style="list-style-type: none"> <li>• HEPA filter - large</li> <li>• Pre-filter</li> <li>• Activated carbon mat</li> <li>• HEPA filter - small</li> </ul>	527 m <sup>3</sup> / h

## Noise emission

Perform ance	Sound pressure level in dB (A)*		
	Filter equipment: <ul style="list-style-type: none"> <li>• HEPA filter - large</li> <li>• Pre-filter</li> </ul>	Filter equipment: <ul style="list-style-type: none"> <li>• HEPA filter - large</li> <li>• Pre-filter</li> <li>• Activated carbon mat</li> </ul>	Filter equipment: <ul style="list-style-type: none"> <li>• HEPA filter - large</li> <li>• Pre-filter</li> <li>• Activated carbon mat</li> <li>• HEPA filter - small</li> </ul>
<b>25%</b>	44	43	42
<b>50%</b>	59	57	57
<b>75%</b>	65	64	63
<b>100%</b>	69	68	66

\* The values were determined at a distance of 1 metre from the appliance, the basic volume was 33 dB (A).

## Appliance description

Order numbers - replacement filter / UV lamp (if installed)

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### 4.3 Order numbers - replacement filter / UV lamp (if installed)

#### Filter equipment - standard

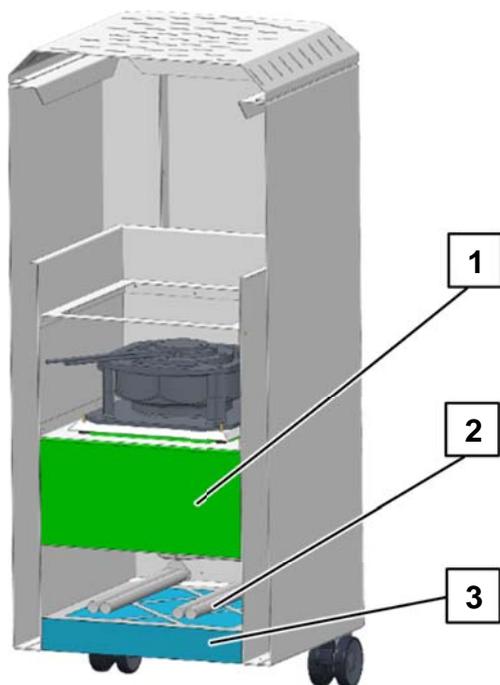


Abb. 2 Position of filter and UV lamp (if installed)

Pos.	Description
1	HEPA filter - large Item no. AU3664
2	UV lamp (if installed) Item no. AE2257
3	Pre-filter Item no. BO2088

### Filter equipment with optional activated carbon mat

to remove odours

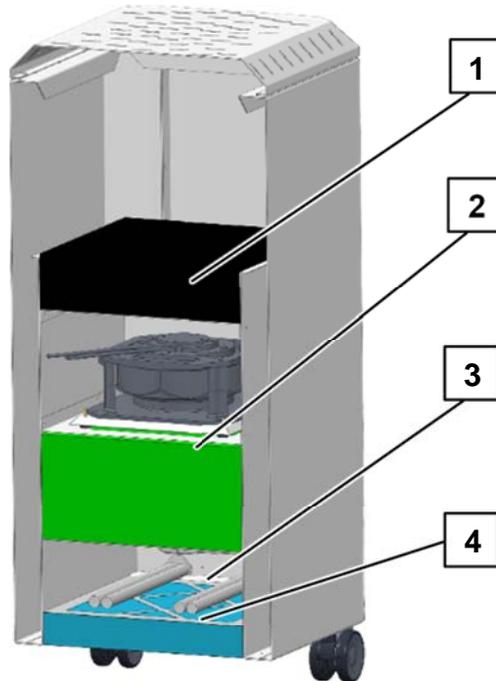


Abb. 3 Position of filter and UV lamp (if installed) with optional activated carbon mat

Pos.	Description
1	Activated carbon mat Item no. AU3209
2	HEPA filter - large Item no. AU3664
3	UV lamp (if installed) Item no. AE2257
4	Pre-filter Item no. BO2088

Please note: If odours are not removed satisfactorily, please reduce the power of the air purifier to reduce the air speed and thus increase the exposure time when the air flows through the activated carbon.

## Appliance description

Order numbers - replacement filter / UV lamp (if installed)

### Filter equipment with optional activated carbon cell and additional HEPA filter

to remove odours

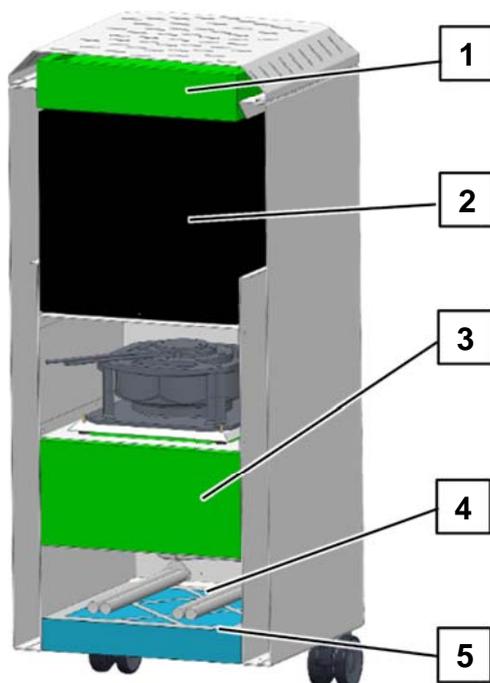


Abb. 4 Position of filter and UV lamp (if installed) with optional activated carbon cell and additional HEPA filter

Pos.	Description
1	HEPA filter - small Item no. AU1437
2	Activated carbon mat Item no. AU3209
3	HEPA filter - large Item no. AU3664
4	UV lamp (if installed) Item no. AE2257
5	Pre-filter Item no. BO2088

Please note: If odours are not removed satisfactorily, please reduce the power of the air purifier to reduce the air speed and thus increase the exposure time when the air flows through the activated carbon.

### 4.3.1 Filter description/classification

#### Pre-filter

Description	Value
Quality class according to DIN 24185 / EN 779	G4 / EU4
Frames	Cardboard frames, 47 mm wide
Filter medium	Synthetics
Degree of separation (Am)	90 %
Nominal volume flow	5400 m <sup>3</sup> /h/m <sup>2</sup>
Nominal inflow velocity at nominal volume	1.5 m/s
Initial pressure drop	42 Pa
Recommended final pressure drop	250 Pa
Temperature / Air humidity	100 °C / 100 % RF (relative humidity)

#### HEPA filter (filter for suspended matter)

Description	Value
Frames	Plastic or aluminium
Filter medium	Micro glass fibre paper
Casting compound	Polyurethane
Thickness	Polyurethane
Filter class	H13 or H 14 according to EN 1822
Temperature / Air humidity	70 °C / 100 % RF (relative humidity)
Grip protection	double-sided

The HEPA filters used by deconta achieve a degree of separation > 99.995% (H14) in accordance with EN1822 at the volume flow indicated on the filter certificate. At higher volume flows the filter performance, measured according to EN1822, will be lower. Additionally, deconta regularly checks the leak tightness and the overall degree of separation of the air purifier (ISO14644-3). In this test, degrees of separation of > 99.995% are measured even at 100% performance. Upon request, this can also be confirmed individually with a certificate.

Subject to change without prior notice.

# Appliance description

## Electrical connection

### 4.4 Electrical connection

Connect the appliance to 230 volt alternating current only.

### 4.5 Operating and indicating elements



Abb. 5 Display

Pos.	Description	Pos.	Description
1	Filter display	6	+ Button
2	UV lamp (if installed)	7	Fan performance
3	Manual mode	8	On / Off button
4	Menu	9	- Button
5	Automatic mode		



## 5 Transport

The R 150 silent air purifier has steering rollers and is therefore easy to transport even for use in other rooms.

### 5.1 Warnings

#### 5.1.1 Mains cable

##### **WARNING**

Electric shock due to defective supply cable.

The appliance is connected to the power supply system via the house connection. Cables and wires can be damaged even with a minor change in the location. Cable damage can cause metal parts to become live. Cables can break off and be exposed. An electric shock is possible.



→ Disconnect the appliance from the energy sources before every transport.

## 6 Assembly

Before commissioning, please remove the magnetically held cover and remove the accessories and documents underneath.

Do **not** operate the appliance if there is visible damage.

Please get in touch with deconta GmbH immediately.

- When setting up the appliance, please ensure that the surface is even and stable.
- The air purifier has brakes on the steering rollers to prevent it from rolling away.
- Operate the appliance upright only (on the rollers).



Abb. 6 Brake released (left) and brake actuated (right)



## 7 Initial operation

The appliance as Gerät is ready for operation after switching on (press the power switch) and starts in manual mode.

### 7.1 Warnings

#### 7.1.1 Mains cable

##### **WARNING**

Electric shock due to defective supply cable.

The appliance is connected to the power supply system via the house connection. Cables and wires can be damaged even with a minor change in the location. Cable damage can cause metal parts to become live. Cables can break off and be exposed. An electric shock is possible.



→ Disconnect the appliance from the energy sources before every transport.

#### 7.1.2 Unsuitable mains voltage

##### **WARNING**

Damage due to unsuitable mains voltage.

The appliance may be damaged if it is connected to an unsuitable mains voltage.



→ Check whether the voltage indicated on the rating plate matches the local mains voltage.



## 8 Operation and control

### 8.1 Warnings

#### 8.1.1 Mains cable

##### **WARNING**

Electric shock due to defective supply cable.

Touching a defective supply cable may result in death or serious injury.

- Do not damage the supply cable (e.g. by vehicle overrun, tearing, squeezing).
- Regularly check the supply cable for damage.
- Have defective supply cable replaced before use by the deconta service or a qualified electrician."



#### 8.1.2 UV lamp (if installed)

##### **WARNING**

The UV lamp emits short-wave UV-C radiation.

UV radiation, direct or indirect, is harmful to health and can cause damage to eyes and skin!

- Switch off UV lamps when working on them.



#### 8.1.3 UV lamp (if installed)

##### **WARNING**

UV radiation forms ozone from the air. During the first 100 burning hours, there is little ozone formation, which then comes to a complete standstill.

Ozone is an irritant gas that is not dangerous in small doses. It has a very strong inherent odour, which however dissipates quickly after switching off.

- Even if there is no direct health hazard from ozone, we recommend ventilating the room during the first 100 operating hours.



## 8.2 Operating modes

The R 150 air purifier can be operated in manual or automatic mode.

### 8.2.1 Manual mode



Abb. 7 “Manual mode” display

Pos.	Description
1	Filter display
2	UV lamp (if installed)
3	Manual mode
4	+ Button
5	Fan performance
6	- Button

Tap on the “manual mode” button, the button shows a green light.

By tapping on the “+” or “-” buttons, the fan performance can be adjusted continuously from 0 - 100%.

This is switched on or off by tapping on the “UV lamp” button. When switched on, the button lights up red.

In addition to cold and flu viruses, air purifiers with UV can also kill many other pathogens of infectious diseases. This is why UV technology in air purifiers is usually used in combination with HEPA filters and activated carbon.

In combination with HEPA filters and activated carbon to separate solid particles and volatile pollutants, UV technology is also recommended for persons who suffer from allergies and asthma.

# Operation and control

## Operating modes

### 8.2.2 Automatic mode



Abb. 8 “Automatic mode” display

Pos.	Description	Pos.	Description
1	Filter display	3	Automatic mode
2	Menu	4	Fan performance



Abb. 9 Interface displayed under menu

Pos.	Description	Pos.	Description
1	Home button	3	Settings for UV lamps (if installed)
2	Setting for automatic mode		

Tap the “Automatic mode settings” button.



Abb. 10 Interface for setting the operating parameters

Pos.	Description	Pos.	Description
1	Start time - Day mode	4	UV lamp (if installed) in night mode
2	Start time - Night mode	5	UV lamp (if installed) in day mode
3	Fan performance in night mode	6	Fan performance in day mode

In automatic mode, some operating parameters can be pre-set:

- Start time - Night mode  
Here, you can set the time at which the appliance switches to night mode. After tapping on hours or minutes, the time can be changed with the + and - buttons.
- Start time - Day mode  
Here you can set the time at which the appliance switches to day mode. After tapping on hours or minutes, the time can be changed with the + and - buttons.
- Fan performance in night mode  
A separate fan performance can be set here for night mode, e.g. to reduce the volume when using the air purifier in the bedroom.
- Fan performance in day mode  
A separate fan performance can be set here for day mode.
- UV lamps (if installed) in night mode:  
Activate or deactivate UV lamps (if installed) in night mode.
- UV lamps (if installed) in day mode:  
Activate or deactivate UV lamps (if installed) in day mode.

### 8.2.3 Setting the UV lamps (if installed) in automatic mode



Abb. 11 under menu of the “UV lamp” button

# Operation and control

## Settings - Filter change intervals

Tap on the “Settings for UV lamps” button. The burning time for the UV lamps can be set in the following menu.



Abb. 12 Surface for adjusting the UV lamps

Pos.	Description
1	Burning time - 15 minutes
2	Burning time - 30 minutes
3	Burning time - 30 minutes
4	Switch-on delay 30 seconds
5	Burning time - permanent
6	Burning time - 45 minutes

### Example:

You have activated the UV lamp in day mode (see previous page) and selected a burning time of 60 minutes. This means that the UV lamps light up for 60 minutes after reaching the start time for the day mode

## 8.3 Settings - Filter change intervals



Abb. 13 “Filter change intervals” button

Tap on the “Filter change intervals” button.

The following menu shows the operating hours and the recommended hours of operation for a filter change of the individual stages.



Abb. 14 Operating hours and recommended operating time of the individual stages

A soon expired interval is indicated in the main menu by a yellow filter indicator. If the indicator lights up red, the maximum operating hours have been reached.



Abb. 15 Filter display

By pressing the "RESET" button, the time for the respective filter can be reset to 0.

The reset must be confirmed by tapping on the green tick or can be cancelled by tapping on the red X.



Abb. 16 RESET button for resetting the operating time

### 8.4 System settings



Abb. 17 "System settings" button

Tap the "System settings" button to open the menu for setting the date, time, display brightness and operating status at restart.

#### 8.4.1 Display brightness

The display brightness is set separately for day and night mode



Abb. 18 "Display brightness" button

Pos.	Description	Pos.	Description
1	Display brightness - Day mode	2	Display brightness - Night mode
3	Save operating status on restart		

By activating the "Save operating state on restart" button, the appliance resumes its last operating state (after 5 seconds) on the following events:

- The power connection was interrupted and restored

#### 8.4.2 Factory Reset

(reset to factory defaults)

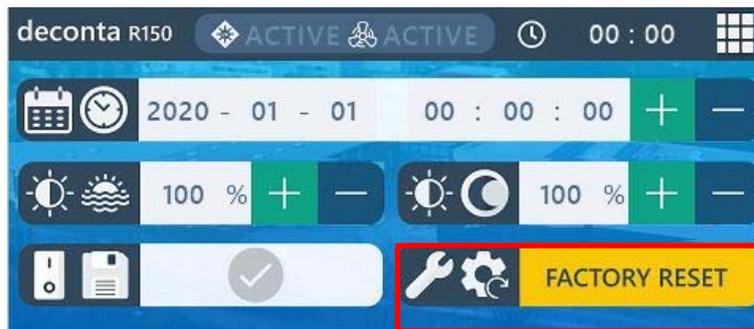


Abb. 19 “FACTORY RESET” button

In the system settings, the air purifier can be reset to its factory defaults by tapping the yellow “FACTORY RESET” button.



Abb. 20 FACTORY RESET with green ✓ red ✕

The reset must be confirmed by tapping on the green tick or can be cancelled by tapping on the red X.

## 8.5 Sleep mode



Abb. 21 “Sleep mode” button

Tap the “Sleep mode” button to darken the display.

## 8.6 Key switch option

With the optional key switch, operation via the touch panel can be disabled.

The display remains active, but changes to the settings cannot be made without the appropriate key.

The key switch is located inside the appliance under the cover.



Abb. 22 Key switch

A lock symbol appears on the display.



Abb. 23 Display with key symbol

## 9 Filter change

### 9.1 Warnings

#### 9.1.1 Voltage-carrying appliance parts

##### **WARNING**

Electric shock from live appliance parts.

A supply voltage of 230 V is applied to the appliance. Touching live parts leads to fatal electric shock.



→ Disconnect the appliance completely from the power supply before each filter change.

#### 9.1.2 UV lamp (if installed)

##### **WARNING**

The UV lamp emits short-wave UV-C radiation.

UV radiation, direct or indirect, is harmful to health and can cause damage to eyes and skin!



→ Switch off UV lamps when working on them.

#### 9.1.3 Cover

##### **WARNING**

The cover is held by magnetic force.

When closing with the cover, there is a risk of hands getting crushed.



→ To close the cover, hold the outer edge of the cover with both hands so that fingers and other parts of the hand cannot get between the cover and housing.

## Filter change

### Warnings

---



Abb. 24 Filter display in the display

If it is necessary to change the filter, it is indicated by the colour of the filter indicator.

The following recommended replacement intervals are applicable for the different filter stages:

- HEPA filter - large = 8800 hours
- HEPA filter - small = 8800 hours
- Activated carbon mat = 4400 hours
- Activated carbon cell = 8800 hours
- UV lamps (if installed) = 9000 hours
- Pre-filter depending on contamination level

## 9.2 Change of pre-filter, UV lamps and large HEPA filter

The change is made from the bottom of the appliance.

→ Turn the appliance upside down.

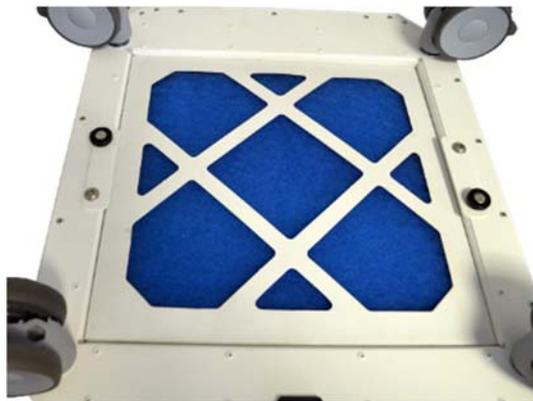


Abb. 25 Underside of the appliance

→ Loosen the lock nuts of the two pre-filter holders and turn the holders so that the filter can be removed.



Abb. 26 Lock nuts and removal of the filter

## Filter change

Change of pre-filter, UV lamps and large HEPA filter

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Remove the two UV lamps (if there is a plug connection).

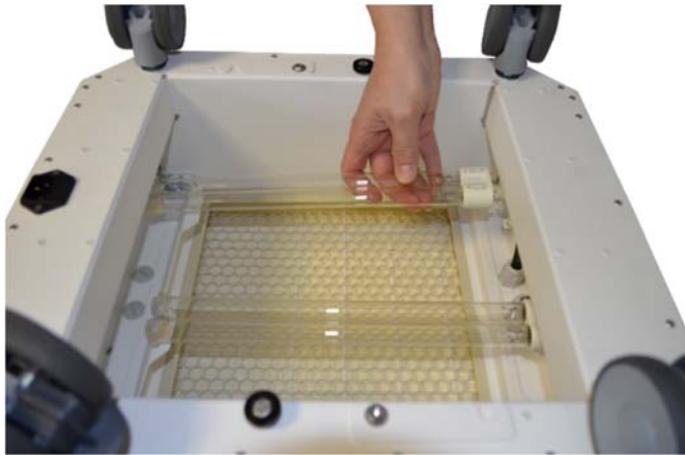


Abb. 27 UV lamps

→ Unscrew the wing screws (4 pieces) of the filter clamping bars and remove clamping bars.



Abb. 28 Wing screws and filter clamping bars

→ Remove the HEPA filter from the top.



Abb. 29 Remove HEPA filter

### 9.3 Changing the optional activated carbon mat

→ Remove the cover; it is held only by magnetic force.



Abb. 30 Cover

→ The activated carbon mat can be removed.

## Filter change

Change of activated carbon cell and HEPA filter - small  
(optional)

---



Abb. 31 Activated carbon mat

### 9.4 Change of activated carbon cell and HEPA filter - small (optional)

As the carbon in the activated carbon cell can release dust during operation, the optional HEPA filter - small should always be used to retain this dust.

- Remove the cover as described on the previous page.
- Unscrew the wing screws (4 pieces) of the filter clamping bars and remove clamping bars.

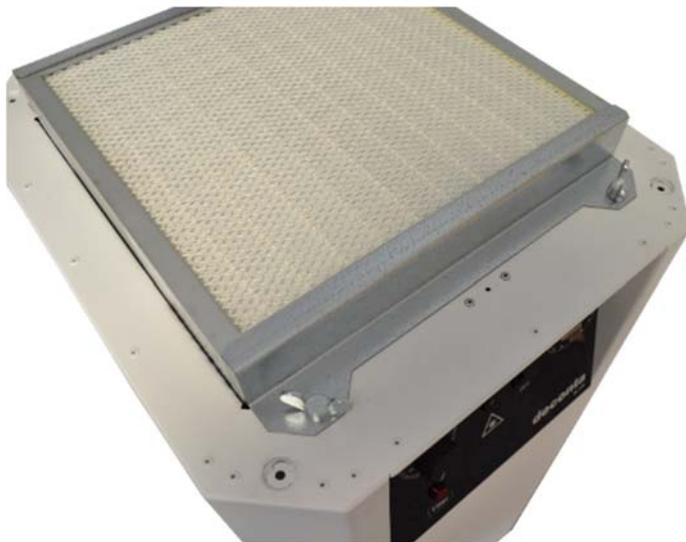


Abb. 32 HEPA filter - small

## Filter change

Change of activated carbon cell and HEPA filter - small  
(optional)

---

→ The small HEPA filter can now be removed.



Abb. 33 Removing the HEPA filter "small"

→ The activated carbon cell below can now be removed.

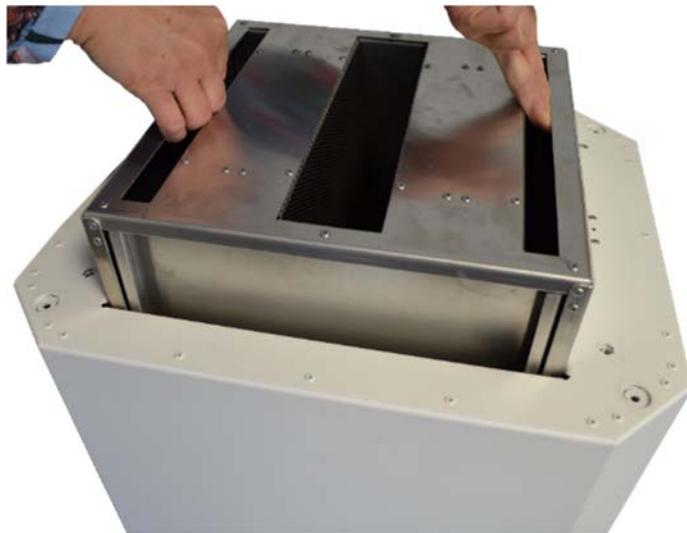


Abb. 34 Removing the activated carbon cell



## 10 Cleaning

### 10.1 Warnings

#### 10.1.1 Voltage-carrying appliance parts

 **WARNING**

Electric shock from live appliance parts.

A supply voltage of 230 V is applied to the appliance. Touching live parts leads to fatal electric shock.



→ Disconnect the appliance completely from the power supply before each cleaning process.

Before cleaning, please remove the mains plug from the socket. Use a dry, soft cloth for cleaning. Chemical solvents and cleaning agents should be avoided because they can damage the surface and/or lettering of the appliance.

### 11 Disposal of appliances

#### Avoid environmental damages



This symbol on the product, operation manual or packaging indicates that this product should not be disposed of with normal household waste at the end of its life.

- It must be sent to a collection point for the recycling of electrical and electronic appliances.
- Please contact your local authority to find out which disposal centre is responsible.

The materials are recyclable according to their identification. With the proper supply of old appliance for recycling, material recovery or other forms of recovery, they make an important contribution to protecting our environment.

#### **!** Information

---

- The disposal of used filters may be subject to certain regulations or laws if they filter harmful substances.
- Filters must be disposed of in accordance with legal regulations.

## 12 Systems for documentation

### 12.1 Type plate

deconta GmbH Im Geer 20 46419 Isselburg		
Name:	Air purifier	
Type:	R 150 silent	
Year of manufacture:	2020	
Type number:	672	
Mains connection:	230 V, 50 Hz	
Power:	220 W	
Standby:	1.3 W	

Abb. 35 Type plate

The type plate states the minimum data of the appliance. The minimum data has been supplemented by connection data.

## 12.2 EC/EU declaration of conformity pursuant to the low-voltage directive 2014/35/EU

We hereby declare that the appliance designated below, on the basis of its design and construction and in the form brought onto the market by us is in accordance with the relevant basic safety and health requirements of the EC directives.

Description:	<b>Air purifier R 150 silent</b>
Ident-no.:	
Type no.:	<b>672</b>
Com no.:	
Year of manufacture:	<b>2020</b>

complies with the following EC Directives:	<b>EC - low-voltage directive 2014/35/EU</b> <b>EC - EMC directive 2014/30/EU</b> <b>EC - Directive on the restriction of hazardous substances (2011/65/EU)</b>
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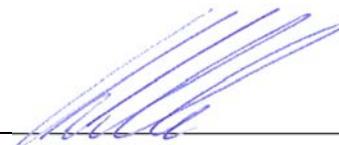
Applied harmonised standards, especially:	<b>EN 60335-1:2020</b> <b>EN 60335-2-65:2013</b> <b>EN 55014-1:2018</b> <b>EN 55014-2:2016</b> <b>DIN EN IEC 61000-3-2:2019-12</b> <b>DIN EN 61000-3-3:2020-07</b>	Household and similar electrical appliances - Safety - Part 1: General requirements Household and similar electrical appliances - Safety - Part 2-65: Particular requirements for air-cleaning appliances Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity Limits for harmonic current emissions (equipment input current ≤ 16 A per phase) Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase
---	---	---

This declaration will become invalid if any change is made to this appliance.

The special technical documents for the appliance have been created according to Annex III Module A.

Manufacturer/ Authorised representative of documents:	deconta GmbH Im Geer 20 46419 Isselburg
--	---

Isselburg	16.11.2020
Location	Date

  
 \_\_\_\_\_  
 Christian Krolle  
 - Managing director -

---

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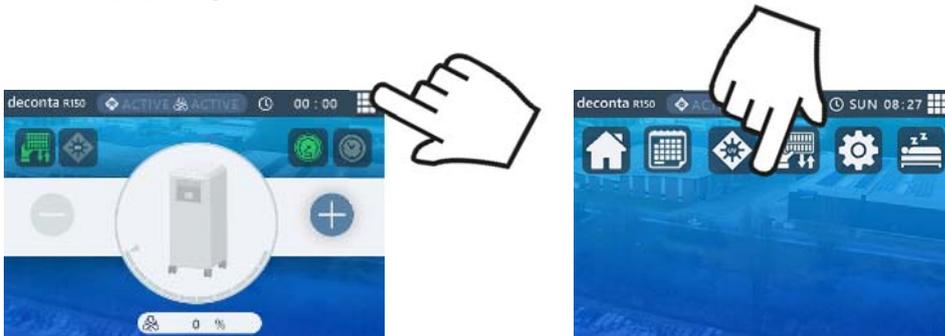
# deconta

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	Revision 0 13.11.2020
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## New functions

The control of the air purifiers R 150, R 300 and R 500 has been extended with the following functions:

### Weekly program



Call up the menu by tapping the „Menu“ button.

In the following menu tap on the „weekly program“ button.



The following settings can be made:

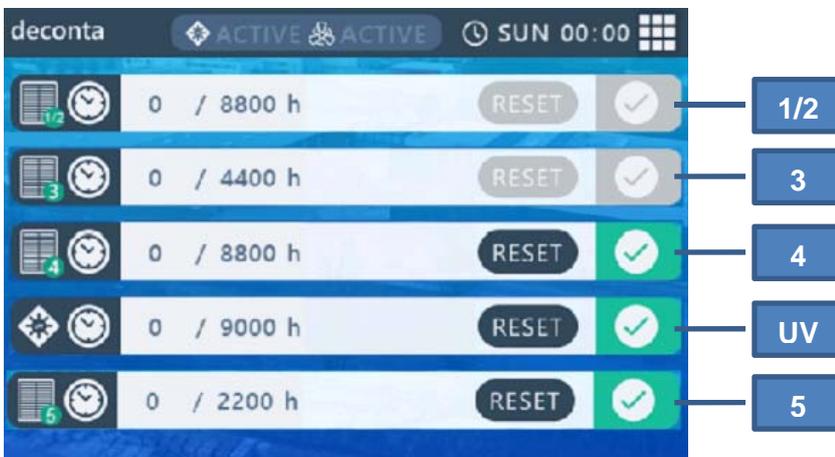
1	Selection and settings for each day of the week
2	Setting whether the air purifier is switched on or off on the selected day of the week, indicated by a green (on) or red (off) bar under the respective day
3	Setting the start of the day time
4	Fan power during the daytime
5	UV-C lamps on or off during the daytime
6	Setting the start of night time
7	Fan power during the night
8	UV-C lamps on or off during the night

## Settings for filter change intervals



Tap on the button "Filter change intervals".

In the following menu, the operating hours and the recommended hours of operating time for a filter change of the individual stages are displayed.

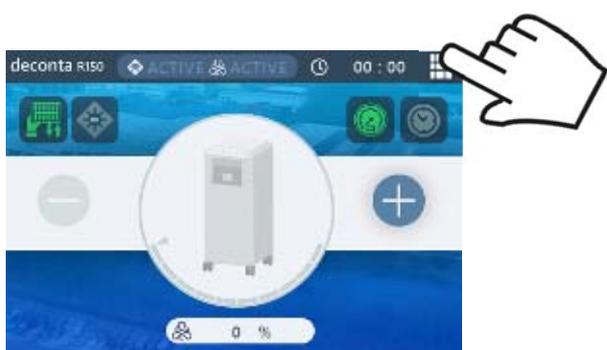


1/2	HEPA filter small and activated carbon cell (optional with R 150 and R 300)
3	Activated carbon mat (optional with R 150 and R 300)
4	HEPA filter
UV	UVC-lamps
5	Pre-filter

An interval that is about to expire is indicated in the main menu by a yellow filter display. If the display lights up red, the maximum operating hours have been reached.



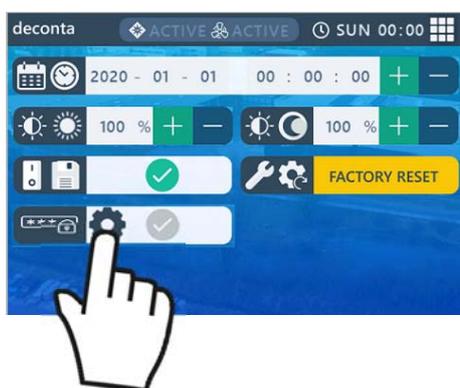
## Screen lock (PIN lock)



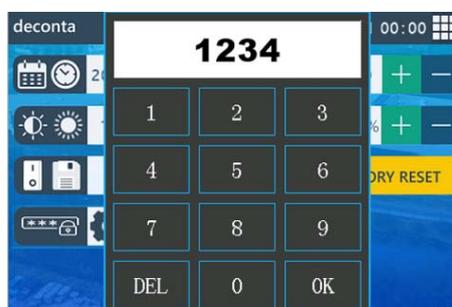
Call up the menu by tapping the „Menu“ button.



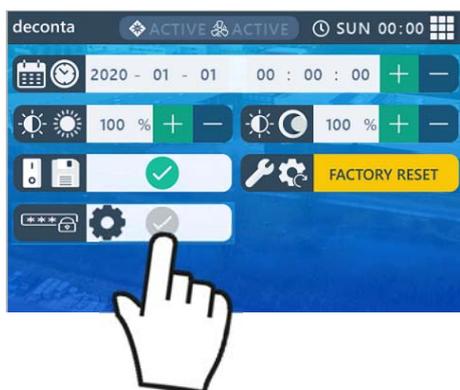
In the following menu tap on the the button „Settings“.



Tap on the gear symbol.



In the following display you can define a 4-digit PIN and confirm with OK.



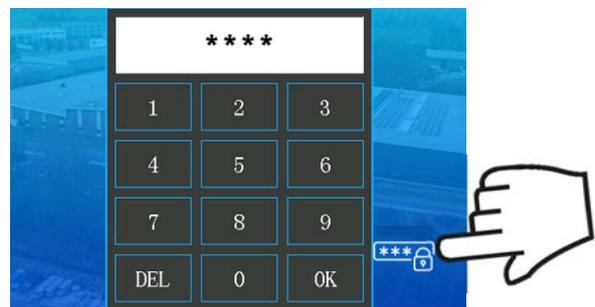
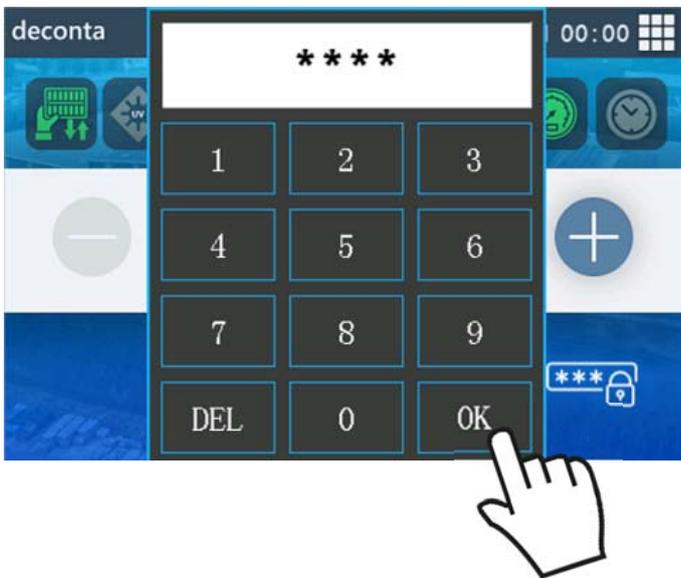
To activate the PIN lock, tap the tick.



As soon as the protection is activated, it is displayed grey in green..



After approx. 30 seconds without any key input, the display is locked and changes to the main page. To unlock, tap the lock symbol. You will be asked for your PIN. Enter this and confirm with ok.



In sleep mode or when the device is switched off, the air purifier can also be unlocked by tapping the lock symbol and entering the PIN.