

EN

INSTRUCTIONS
AIR CLEANER

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Information on the use of these instructions

Symbols



Warning

This signal word indicates a hazard with an average risk level which, if not avoided, can result in serious injury or death.



Warning of electrical voltage

This symbol indicates dangers to the life and health of persons due to electrical voltage.

Notice

This signal word indicates important information (e.g. material damage), but does not indicate hazards.



Info

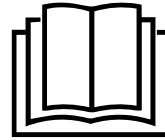
Information marked with this symbol helps you to carry out your tasks quickly and safely.



Follow the manual

Information marked with this symbol indicates that the instructions must be observed.

You can download the current version of these instructions via the following link:



AirgoClean® 210 E



<https://hub.trotec.com/?id=47768>

Safety

Read this manual carefully before starting or using the device. Always store the manual in the immediate vicinity of the device or its site of use!



Warning

Read all safety warnings and all instructions.

Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

Children shall not play with the appliance. Cleaning and user maintenance shall not be done by children without supervision.

- Do not use the device in potentially explosive rooms or areas and do not install it there.
- Do not use the device in an aggressive atmosphere.
- Do not operate the device near open fire or gas appliances.
- Place the device in an upright and stable position on a horizontal and stable surface.
- Let the device dry out after a wet clean. Do not operate it when wet.
- Do not use the device with wet or damp hands.
- Do not expose the device to directly squirting water.
- Do not expose the device to liquids as it is not protected against splash water.
- Never insert any objects or limbs into the device.
- Do not cover the device during operation.
- Do not sit on the device.
- This appliance is not a toy. Keep away from children and animals.

- Check accessories and connection parts for possible damage prior to every use of the device. Do not use any defective devices or device parts.
- Ensure that all electric cables outside of the device are protected from damage (e.g. caused by animals). Never use the device if electric cables or the power connection are damaged!
- The mains connection must correspond to the specifications in the Technical annex.
- Insert the mains plug into a properly fused mains socket.
- Observe the technical data when selecting extensions to the power cable. Completely unroll the extension cable. Avoid electrical overload.
- Before carrying out maintenance, care or repair work on the device, remove the mains plug from the mains socket. Hold onto the mains plug while doing so.
- Switch the device off and disconnect the power cable from the mains socket when the device is not in use.
- Do not under any circumstances use the device if you detect damages on the mains plug or power cable. If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.
Defective power cables pose a serious health risk!
- When positioning the device, observe the minimum distances from walls and other objects as well as the storage and operating conditions specified in the Technical annex.
- Make sure that the air inlet and outlet are not obstructed.
- Make sure that there are no loose items or dirt located in the immediate surroundings of air inlet and air outlet.
- Do not remove any safety signs, stickers or labels from the device. Keep all safety signs, stickers and labels in legible condition.
- Do not expose the device to heat or direct sunlight.
- Make sure that the suction side is kept free of dirt and loose objects.
- Dispose of replaced filters properly, especially after filtering substances hazardous to health.
- Never use the device as storage place or footstep.
- Do not use the automatic mode if the device is used for virus filtration.

Intended use

Use the device for cleaning the air as well as for odour elimination (ionization) in interior spaces only whilst adhering to the technical data and safety instructions.

Any use other than the intended use is regarded as misuse.

Reasonably foreseeable misuse

- Do not place the device on wet or flooded ground.
- Do not place any objects, e.g. clothing, on the device.
- Do not use outdoors.
- Do not use the device in bathrooms and rooms with a high humidity level.
- Do not use the device in rooms where large amounts of dust are produced, e.g. in production halls, workshops or on construction sites.
- Moreover, the integrated filter system is not suited for removing dusts that are potentially harmful to health (e.g. pollutants) from the air.
- Do not make any unauthorised modifications, alterations or structural changes to the device.

Personnel qualification

People who use this device must:

- have read and understood the instructions, especially the Safety chapter.

Residual risks



Warning of electrical voltage

Work on the electrical components must only be carried out by an authorised specialist company!



Warning of electrical voltage

Before any work on the device, remove the mains plug from the mains socket!
Do not touch the mains plug with wet or damp hands. Hold onto the mains plug while pulling the power cable out of the mains socket.

Notice

Do not operate the device without a HEPA carbon filter inserted!

Notice

Do not operate the device without an air filter inserted into the air inlet!
Without the air filter, the inside of the device will be heavily contaminated. This can reduce the performance and result in damage to the device.

Notice

Do not use abrasive cleaners or solvents to clean the device.

Behaviour in the event of an emergency

1. Switch the device off.
2. Disconnect the device from the mains by removing the mains plug from the socket. When doing so, be sure to hold the plug, not the cable.
3. Do not reconnect a defective device to the mains.

Information about the device

Device description

The device serves to filter the room air with the aim of reducing slight and medium contaminations and odours in order to improve the air quality. It is equipped with a powerful fan sucking in the air. The air flows through the filter and is cleaned. Afterwards the fan releases the clean air back into the room.

The 3-in-1 filter is composed of a HEPA filter, a carbon filter and a prefilter with a filter efficiency of 99.97 %.

The device uses a HEPA filter to remove bacteria, viruses, pollen, dust mite residue, mould fungus spores and other allergens from the air. The integrated prefilter (made of synthetic fibre) filters out large dust particles before the air flows into the HEPA filter. The integrated carbon filter with activated carbon also removes odours from the air.

The HEPA carbon filter is effective against house dust, pet allergens, cigarette smoke, smog and particles which can carry smells and viruses.

The device is equipped with an air quality sensor for fine dust and an air quality sensor for gaseous pollutants to display the air quality and control air purification automatically.

The device is equipped with an automatic mode, night mode and turbo mode.

Additionally, the device comes with an ionization function. The released ions remove pollen, dust, viruses and bacteria from the room air. Thanks to this air purification method, the quality of the room air can be additionally improved.

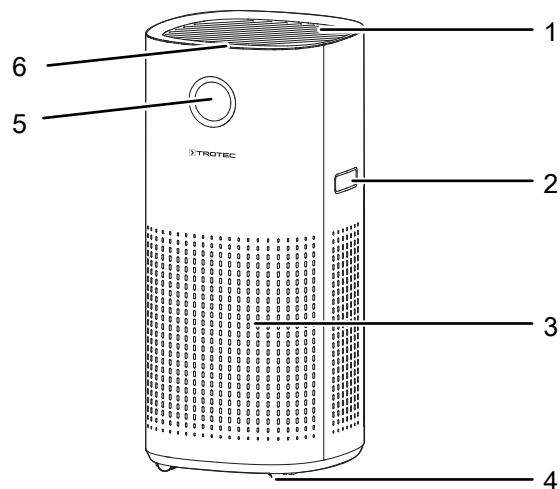
The four-stage fan (with turbo mode) and the uncomplicated, quick filter change ensure easy operation.

Thanks to its compact dimensions, the device can be transported conveniently. Due to its quiet operation, the device can also be used in rooms where people are present.

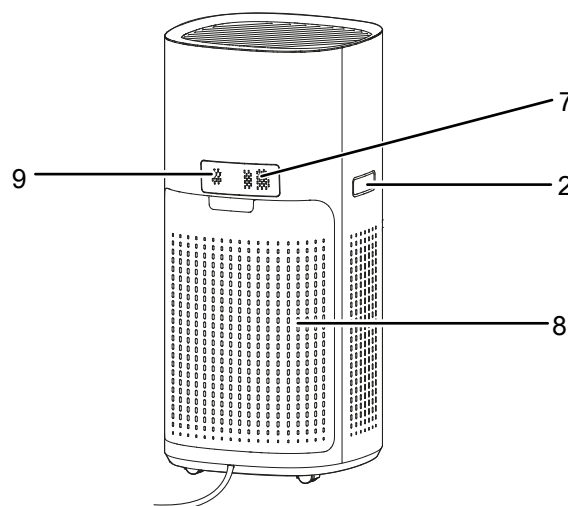
The device is equipped with a control panel for operation and a digital display for controlling the functions.

Device depiction

Front view



Rear view



No.	Designation
1	Air outlet
2	Transport handle with handle flap
3	Air inlet with prefilter and HEPA carbon filter
4	Wheels
5	Display
6	Control panel
7	Air quality sensor for fine dust value
8	Device cover
9	Air quality sensor for gaseous pollutants

Transport and storage

Notice

If you store or transport the device improperly, the device may be damaged.

Note the information regarding transport and storage of the device.

Transport

To make the device easier to transport, it is fitted with a handle.

To make the device easier to transport, it is fitted with wheels.

Before transporting the device, observe the following:

- Switch off the device by pressing the *On/Standby button* (15).
- Disconnect the device from the mains by removing the mains plug from the socket. When doing so, be sure to hold the plug, not the cable.
- Do not use the power cable to drag the device.
- Only wheel the device on firm and level surfaces.

After transporting the device, proceed as follows:

- The device has been set up in an upright and stable position.

Storage

When the device is not being used, observe the following storage conditions:

- Store the device in a dry location and protected from frost and heat.
- Store the device in an upright position where it is protected from dust and direct sunlight.
- If required, use a cover to protect the device from invasive dust.

Assembly and start-up

Scope of delivery

- 1 x Device
- 1 x HEPA carbon filter
- 1 x Manual

Unpacking the device



Warning

There is a danger of suffocation for children due to packaging material! Keep packaging films and parts away from children. There is a risk of death due to suffocation.

1. Open the cardboard box and take the device out.
2. Completely remove the packaging.
3. Fully unwind the power cable. Make sure that the power cable is not damaged and that you do not damage it during unwinding.

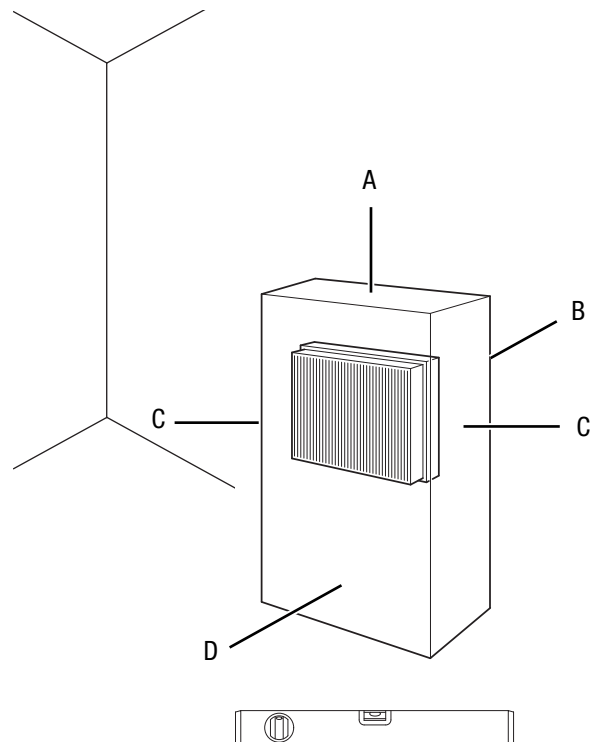
Start-up

The HEPA carbon filter is pre-installed.

Notice

Remove the plastic cover from the HEPA carbon filter. To insert the HEPA carbon filter, proceed as described under Changing the HEPA carbon filter.

When positioning the device, observe the minimum distance from walls or other objects as described in the chapter Technical annex.



- Before restarting the device, check the condition of the power cable. If there are doubts as to the sound condition, contact the customer service.
- Place the device in an upright and stable position on a horizontal and stable surface.
- Do not create tripping hazards when laying the power cable or other electric cables, especially when positioning the device in the middle of the room. Use cable bridges.
- Ensure that the extension cables are completely unrolled.
- Position the device near the source of air contamination.
- When positioning the device, keep a sufficient distance to heat sources.
- Make sure that no curtains or other objects interfere with the air flow.
- Make sure that the air inlet and outlet are not obstructed.

Connecting the power cable

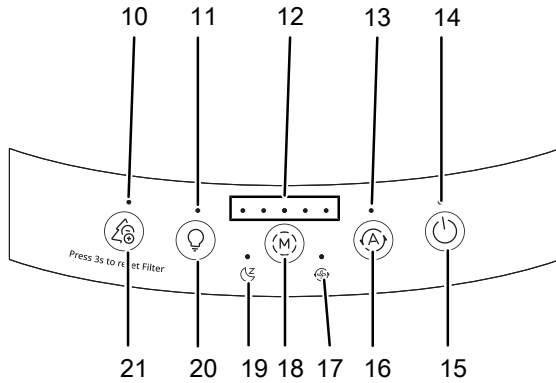
- Connect the mains plug to a properly secured socket.
 - The device emits an acoustic signal and "5" appears on the display.

Operation

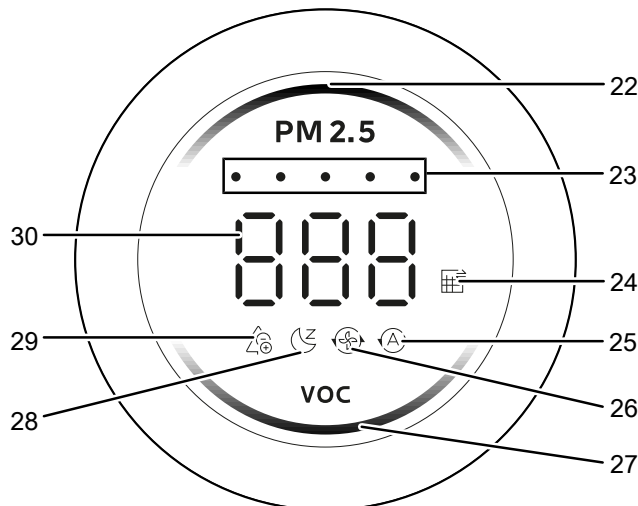
Notice

Avoid open doors and windows.

Control panel



Display



No.	Designation	Meaning
10	<i>Ionization</i> LED	Illuminated when the ionization function is activated
11	<i>Illumination</i> LED	Illuminated according to the selected brightness level: Bright – medium – off
12	<i>Fan speed</i> LED	Illuminated according to the selected fan stage: - one LED = stage 1 (low) - three LEDs = stage 2 (medium) - five LEDs = stage 3 (high)
13	<i>Auto</i> LED	Illuminated when the automatic mode is activated
14	<i>On/Standby</i> LED	Is illuminated when the device is switched on
15	<i>On/Standby</i> button	Switching the device on or activating standby mode

No.	Designation	Meaning
16	<i>Auto</i> button	Switching the automatic mode on or off
17	<i>Turbo</i> LED	Illuminated when the turbo mode is activated
18	<i>Mode</i> button	Selecting the operating modes
19	<i>Night mode</i> LED	Illuminated when the night mode is activated
20	<i>Illumination</i> button	Adjusting the illumination on the control panel and the LEDs
21	<i>Ionization</i> button	Switching ionization on or off Press the button for 3 seconds if you want to reset the <i>Filter change</i> indication (24) after changing the filter.
22	<i>Air quality fine dust value</i> indication	Illuminated according to the measured air quality: - blue = very good - green = good - orange = medium - red = poor
23	<i>Fan speed</i> indication	Illuminated according to the selected fan stage: - one LED = stage 1 (low) - three LEDs = stage 2 (medium) - five LEDs = stage 3 (high)
24	<i>Filter change</i> indication	Is illuminated when the HEPA carbon filter needs to be changed.
25	<i>Auto</i> mode indication	Illuminated when the automatic mode is activated
26	<i>Turbo</i> mode indication	Illuminated when the turbo mode is activated
27	<i>Air quality gaseous pollutants</i> indication	Illuminated according to the measured air pollution: - blue = very good - green = good - orange = medium - red = poor
28	<i>Night mode</i> indication	Illuminated when the night mode is activated
29	<i>Ionization</i> indication	Illuminated when the ionization function is activated
30	<i>Fine dust value</i> indication	Displays the current fine dust value

Switching the device on

Once you have completely installed the device as described in the chapter Assembly and start-up, you can switch it on.

1. Press the *On/Standby* button (15) to switch the device on.
 - ⇒ The device emits an acoustic signal.
 - ⇒ The device starts with the settings last used.
 - ⇒ The device measures the air quality. The *Air quality fine dust value* (22) and *Air quality gaseous pollutants* (27) flash in different colours.



Info

An acoustic signal is emitted each time a button is pressed.

Air quality: *fine dust value*

Air quality <i>fine dust value</i> LED	Fine dust value indication (PM2.5 value)
Illuminated in blue (very good air quality)	0–35
Illuminated in green (good air quality)	36–75
Illuminated in orange (medium air quality)	76–115
Illuminated in red (poor air quality)	>115

Air quality: *gaseous pollutants*

Air quality: <i>gaseous pollutants</i> LED
Illuminated in blue (very good air quality)
Illuminated in green (good air quality)
Illuminated in orange (medium air quality)
Illuminated in red (poor air quality)

Setting the operating mode

The device comes with the following operating modes:

- Automatic mode
- Night mode
- Turbo mode
- Ventilation

Automatic mode

When in automatic mode, the device automatically detects the air quality.

Please proceed as follows to set the automatic mode:

- ✓ The device is switched on.
- 1. Press the *Auto* button (16).
 - ⇒ The *Auto* LED (13) and the *Auto* indication (25) are illuminated.
 - ⇒ The device is now running in automatic mode.
 - ⇒ The *Air quality fine dust value* LED (22) and the *Air quality gaseous pollutants* LED (27) are illuminated.
 - ⇒ The *Fine dust value indication* (30) displays the current fine dust value.
- 2. Press the *Mode* button (18) or the *Auto* button (16) again to switch off automatic mode.
 - ⇒ The device switches to low ventilation.

Night mode

In night mode, the device generates an air current that is adapted to your sleep habits. The display switches off after about 5 seconds if no button is pressed. Press any button other than the *Illumination* button (20) to switch on the display for approximately 5 seconds.

Proceed as follows to switch on night mode:

- ✓ The device is switched on.
- 1. Press the *Mode* button (18) until the *Night mode* LED (19) and the *Night mode* indication (28) are illuminated.
- 2. Press the *Mode* button (18) again to switch to a different mode.

Turbo mode

In *turbo* mode, the fan runs at the highest fan speed.

- ✓ The device is switched on.
- 1. Press the *Mode* button (18) until the *Turbo* LED (17) and the *Turbo mode* indication (26) are illuminated.
- 2. Press the *Mode* button (18) again to switch off the turbo mode.

Ventilation

In *ventilation* mode, you can select all fan speeds manually.

Please proceed as follows to select the fan stages:

- ✓ The device is switched on.
- 1. Press the *Mode* button (18) until the desired fan speed has been reached.
 - ⇒ Depending on the set fan speed, 1, 3 or 5 LEDs will be illuminated to indicate the *Fan speed* (12), and the corresponding number of dots (1, 3 or 5) will appear in the *Fan speed* indication (23).

Ionization

The ionization serves to filter out pollen, dust, viruses and bacteria from the room air by means of the HEPA carbon filter.

Ionization can be switched on additionally in any operating mode.

Please proceed as follows to activate ionization:

1. Press the *Ionization* button (21) to activate the ionization function.
 - ⇒ The *Ionization* LED (29) is illuminated.
 - ⇒ The device starts to filter the room air.
2. Press the *Ionization* button (21) again to deactivate the ionization function.
 - ⇒ The *Ionization* LED (29) goes out.

Lighting

You can reduce the luminous intensity of the LEDs if you want to operate the device at night. You can set high or medium illumination, or switch the lighting off.

1. Press the *Illumination* button (20) several times to select the desired brightness level.
2. Press any other button to activate the display when the illumination is switched off.

Memory function

When you switch the device back on from standby mode, all the selected settings will be saved, except for the *Illumination* function.

Shutdown



Warning of electrical voltage

Do not touch the mains plug with wet or damp hands.

- Switch off the device by pressing the *On/Standby* button (15).
- Disconnect the device from the mains by removing the mains plug from the socket. When doing so, be sure to hold the plug, not the cable.
- If required, clean the device according to the Maintenance chapter.
- Store the device according to the Transport and storage chapter.

Available accessories



Warning

Only use accessories and additional equipment specified in the instructions.

Using insertion tools or accessories other than those specified in the instructions may cause a risk of injury.

Designation	Article number
3-in-1 HEPA carbon filter, filter efficiency 99.97%	7160000532

Errors and faults

The device has been checked for proper functioning several times during production. If malfunctions occur nonetheless, check the device according to the following list.

Notice

Wait for at least 3 minutes after maintenance and repair work. Only then switch the device back on.

The device does not start:

- Check the power connection.
- Check the power cable and mains plug for damage.
- Check the on-site fusing.

The device is loud or vibrates:

- Check whether the device is set up in a stable and upright position.
- Check the device cover for proper fit.

The device gets very warm, is loud or is losing power:

- Check the air inlet and air filter for dirt. Remove external dirt.

The device works with reduced capacity:

- Check the HEPA carbon filter for dirt. If necessary, clean or replace the HEPA carbon filter.
- The air outlet is obstructed. Make sure that the air outlet is not blocked. Remove any loose objects from the air outlet.
- The HEPA carbon filter's plastic cover was not removed before installation. Take the HEPA carbon filter out of the plastic cover.

The device works with no capacity or the air quality does not improve:

- Check whether any windows and/or doors of the room are open. If so, close them.
- The HEPA carbon filter is not installed. Install the HEPA carbon filter.
- Check the minimum distance to walls or other objects. Position the device a little more in the room's centre if required.

The *Air quality fine dust value (22)* indication is illuminated in red for a longer period of time:

- Check the air quality in the room. The air in the room may be heavily contaminated. Wait for a few minutes to see whether the colour of the *Air quality fine dust value* indication (22) changes.
- The air quality sensor is clogged or soiled. Windows and doors should be closed, otherwise dust and other contamination is able to enter the room. If necessary, take the device to an authorised specialist electrical company or to the manufacturer for repair.
- The capacity of the device may not be sufficient for the size of the room. Leave the device running.
- The HEPA carbon filter is not installed. Install the HEPA carbon filter.

The *Air quality fine dust value (22)* does not change for a longer period of time:

- The device may be positioned in such a way that contamination is difficult to detect. Move the device to a different location.
- The air quality sensor is clogged or soiled. Windows and doors should be closed, otherwise dust and other contamination is able to enter the room. If necessary, take the device to an authorised specialist electrical company or to the manufacturer for repair.
- Strong odours can affect the sensor. Select the highest fan stage and leave the device running for a long time.

The device gives off an unpleasant odour:

- Check the HEPA carbon filter for dirt. If necessary, clean or replace the HEPA carbon filter.
- Smoke, e.g. dense tobacco smoke, odours and contaminations may be in the air. Ventilate the room.

The display indicates *E7*:

- Please contact the customer service. If necessary, bring the device to an authorised specialist electrical company or to the manufacturer for repair.

The device still does not operate correctly after these checks:

Contact the manufacturer's customer service. If necessary, take the device to an authorised specialist electrical company or to the manufacturer for repair.

Maintenance

Maintenance intervals

Maintenance and care interval	before every start-up	as needed	at least every 2 weeks	at least every 4 weeks	at least every 6 months	at least annually
Check air inlets and outlets for dirt and foreign objects and clean if necessary	X			X		
Clean the exterior		X				X
Visually inspect the inside of the device for dirt		X				X
Check the filter for dirt and foreign objects and clean or replace if necessary	X		X			
Replace the filter					X	
Check for damage	X					
Check the attachment screws		X				X
Test run						X

Maintenance and care log

Device type:

Device number:

Maintenance and care interval	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Check air inlets and outlets for dirt and foreign objects and clean if necessary																
Clean the exterior																
Visual inspection of the inside of the device for dirt																
Check the filter for dirt and foreign objects and clean or replace if necessary																
Replace the filter																
Check for damage																
Check the attachment screws																
Test run																

1. Date: Signature:	2. Date: Signature:	3. Date: Signature:	4. Date: Signature:
5. Date: Signature:	6. Date: Signature:	7. Date: Signature:	8. Date: Signature:
9. Date: Signature:	10. Date: Signature:	11. Date: Signature:	12. Date: Signature:
13. Date: Signature:	14. Date: Signature:	15. Date: Signature:	16. Date: Signature:

Activities required before starting maintenance



Warning of electrical voltage

Do not touch the mains plug with wet or damp hands.

- Switch off the device by pressing the *On/Standby* button (15).
- Disconnect the device from the mains by removing the mains plug from the socket. When doing so, be sure to hold the plug, not the cable.



Warning of electrical voltage

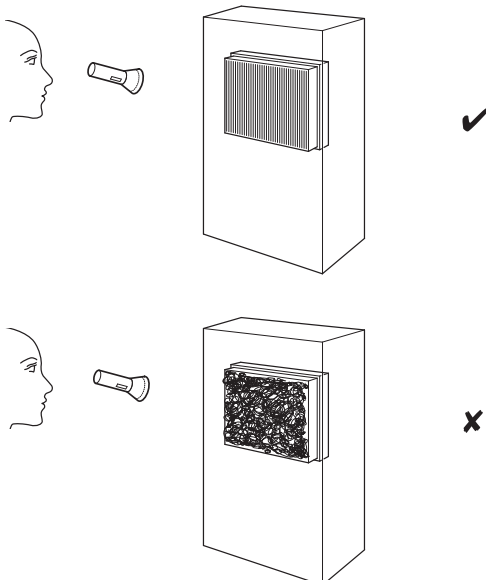
Tasks which require the device to be opened must only be carried out by authorised specialist companies or by the manufacturer.

Cleaning the housing

Clean the housing with a soft, damp and lint-free cloth. Make sure that no moisture enters the housing. Protect electrical components from moisture. Do not use any aggressive cleaning agents such as cleaning sprays, solvents, alcohol-based or abrasive cleaners to dampen the cloth.

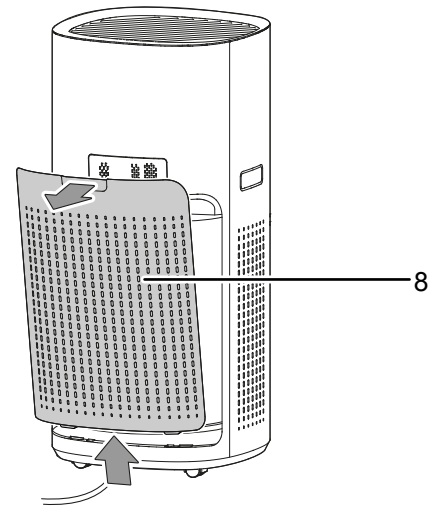
Visual inspection of the inside of the device for dirt

1. Remove the air filters.
2. Use a torch to illuminate the openings of the device.
3. Check the inside of the device for dirt.
4. If you see a thick layer of dust, clean the inside of the device with a vacuum cleaner.
5. Reinsert the air filters.

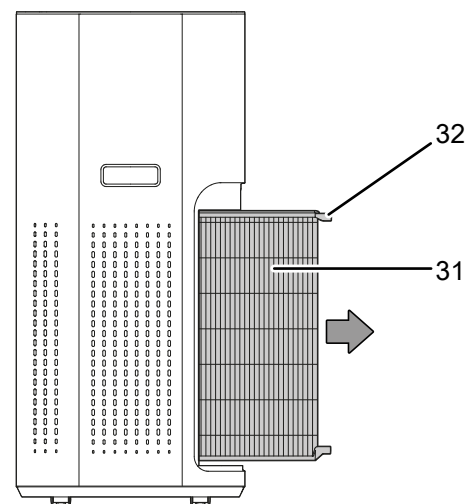


Cleaning the device cover and HEPA carbon filter

1. Remove the rear device cover (8) from the device. To do so, grab it by the notch at the top.

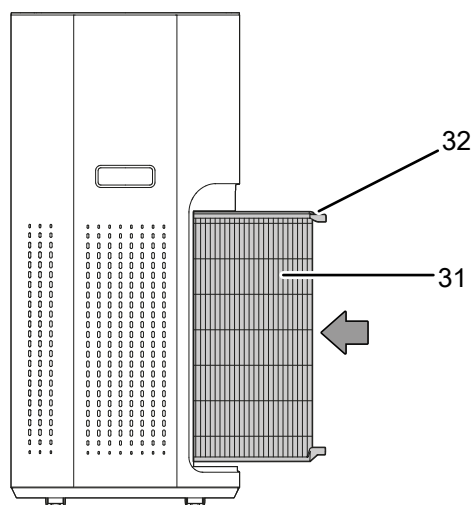


2. Pull the HEPA carbon filter (31) out of the device by the filter handle (32).

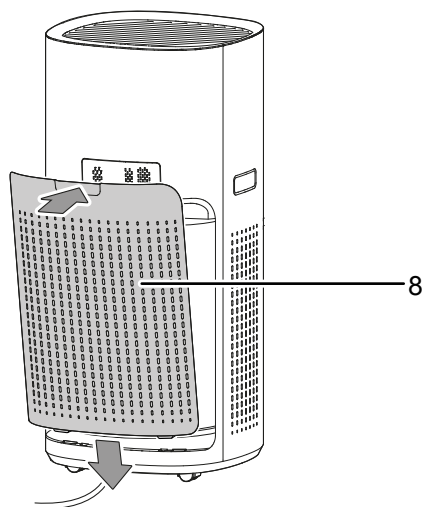


3. Clean the device cover and the inside of the air inlet with a soft brush or a soft, lint-free cloth.
4. Clean the outside of the HEPA carbon filter with a soft brush or a soft, lint-free cloth.

5. Reinsert the HEPA carbon filter into the device. Make sure that the filter handle is on the outside. Slide the filter into the device until it is positioned flush with the notch at the bottom of the device.



6. Put the device cover back on the device. To do so, insert the lower hooks of the device cover into the corresponding notches of the device and then push the top of the cover onto the device. Make sure that the cover is fitted correctly.



Changing the HEPA carbon filter

Notice

Do not operate the device without a HEPA carbon filter inserted!

- The HEPA carbon filter has to be replaced if the *Filter change* indication (24) is illuminated or if the filter is dirty, which manifests itself e.g. through reduced capacity (see chapter Errors and faults).
- Make sure that the HEPA carbon filter is installed before switching the device on.
- Without the HEPA carbon filter, the device cannot fulfil its air cleaner function, and the inside of the device will be soiled.

The HEPA carbon filter should be replaced in case of heavy soiling.

The operating life of the HEPA carbon filter is approx. 6 months, depending on the degree of air pollution.

If required, visually inspect the HEPA carbon filter for dirt.

1. Remove the filter from the device as described in "Cleaning the device cover and HEPA carbon filter".
2. Dispose of the used HEPA carbon filter according to the national regulations.
3. Take the new HEPA carbon filter out of the plastic cover. The front of the HEPA carbon filter is fitted with a filter handle.
4. Insert the new HEPA carbon filter into the device as described in "Cleaning the device cover and HEPA carbon filter".
5. Press the *Ionization* button (21) for approx. 3 seconds to reset the *Filter change* indication.
⇒ The *filter change* indication goes out and the device enters standby mode.

Activities required after maintenance

If you want to continue using the device:

- Reconnect the device to the mains.

If you do not intend to use the device for a considerable time:

- Store the device according to the Transport and storage chapter.

Technical annex

Technical data

Parameter	Value
Model	AirgoClean® 210 E
Max. air flow rate with HEPA carbon filter	600 m³/h
Ambient temperature	-10 °C to 60 °C
Operating range	30 % to 90 % RH
Mains connection	220 – 240V ~ 50 Hz
Power consumption	49 W
Nominal current	0.44 A
Sound pressure level (at a distance of 1 m)	
Fan stage 1 (night mode)	35 dB(A)
Fan stage 5 (turbo mode)	66 dB(A)
Dimensions (length x width x height)	320 x 320 x 693 mm
Minimum distance to walls and other objects	
A: top	30 cm
B: rear	30 cm
C: side	30 cm
D: front	30 cm
Weight	9.5 kg

Disposal

Always dispose of packing materials in an environmentally friendly manner and in accordance with the applicable local disposal regulations.



The icon with the crossed-out wheeled bin indicates that this device and any associated components must not be disposed of with household waste at the end of their life, in accordance with the Waste Electrical and Electronic Equipment Directive (2012/19/EU) and national laws.

You will find collection points for free return of waste electrical and electronic equipment in your vicinity. The addresses can be obtained from your municipality or local administration. You can also find out about other return options that apply for many EU countries on the website <https://hub.trotec.com/?id=45090>. Otherwise, please contact an official recycling centre for electronic and electrical equipment authorised for your country.

The separate collection of waste electrical and electronic equipment aims to enable the re-use, recycling and other forms of recovery of waste equipment as well as to prevent negative effects for the environment and human health caused by the disposal of hazardous substances potentially contained in the equipment.

Only for United Kingdom

According to Waste Electrical and Electronic Equipment Regulations 2013 (SI 2013/3113) (as amended) devices that are no longer usable must be collected separately and disposed of in an environmentally friendly manner.

Trotec GmbH

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