

air purifier

Lavaero 1000



Comedes 

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Dear customer,

Thank you for choosing the Lavaero 1000 from Comedes GmbH.

You have purchased a powerful air purifier designed to the latest technical standards. To ensure that the device will remain your faithful servant over a long period of time, we ask you to study the operating instructions, in particular the safety instructions, in detail.

If you still have questions about the device after you have read the operating instructions, please do not hesitate to contact us:

E-mail address: service@comedes.com

If you enter your telephone number, we will call you back free of charge.

We welcome any feedback from our customers and would appreciate it if you contact us.

Yours sincerely



Philipp Thannhuber

Managing Director

Comedes GmbH

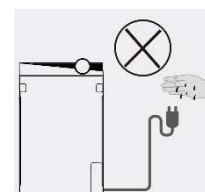
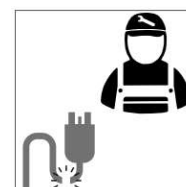
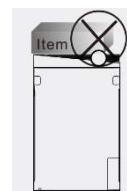
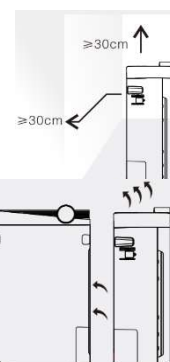
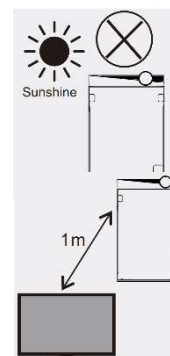
Warning:

Read the instructions carefully before commissioning. Failure to follow the safety instructions and instructions may result in electric shock, fire and/or serious injury. Keep all safety instructions and instructions for the future.

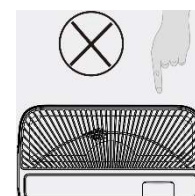
Watch your step! Do not open the device until the mains plug has been disconnected from the mains socket. Risk of death due to electric shock! Have repairs carried out only by an authorised specialist workshop.

safety instructions

- Check the voltage of 220-240V before use.
- Check the mains plug before plugging in.
- Do not place the unit in direct sunlight, directly in front of the air outlet of air conditioners or near heat sources. This can cause plastic parts of the device to deform, discolour or malfunction.
- Do not operate the air purifier near televisions or radios. This may cause image noise, noise and other disturbances. Ensure a minimum distance of 1 meter between the air purifier and these devices. Do not use the same socket for these appliances and the air purifier.
- The unit should only be operated standing on the floor. To avoid tipping over or falling to the ground, the air purifier should not be placed on an uneven, sloping or moving surface during operation.
- In order to ensure good air circulation and effective air cleaning, ensure sufficient distance from walls and furnishings. The distance to the top, sides and back should not be less than 30cm. A minimum distance of 30cm from the front of the unit should be maintained.
- Do not place any objects on the unit and never cover the air inlet or outlet. Make sure that no moving objects, such as curtains, can block the air inlet or outlet. This can damage/destroy the blower motor.
- Always switch and disconnect the device before moving or lifting it. Do not pull the power cord when moving or storing the unit. This can lead to electric shock and fire hazard.
- Take care not to damage the power cord, plug or socket. The mains cable must not be shortened, strongly twisted or bent. Do not pull the power cord to disconnect or move the unit. If the supply cable is damaged, stop operation and have it replaced immediately by the manufacturer or an authorised specialist workshop.
- Do not touch the power plug or the product with wet hands as this may result in electric shock.



- Do not insert any objects (especially metallic objects) or your fingers into the air inlets and outlets of the device. This could result in electric shock and injury.

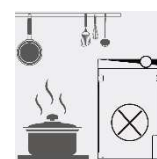


- Never use hairsprays, thinners or flammable gases in the vicinity of the device, as there is a risk of fire and explosion.

- Make sure that no liquids such as water and cleaning agents get into the device and never immerse it in water.



- The air purifier is not suitable as a replacement for fans, ventilation systems, vacuum cleaners or extraction hoods.



- Never operate the appliance near heat sources such as heaters, open fires, stoves, or gas and petrol powered appliances.



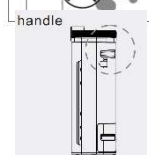
- Do not operate the appliance in very humid or hot environments, such as bathrooms, toilets or kitchens.



- Make sure that the remote control is kept out of the reach of children.



- Do not grip the unit by the two air inlets to carry it. Use the two recessed grips on the sides for this purpose.



- Never turn the unit upside down because of the humidification unit inside.

- Do not operate the air purifier at the following locations:
 - Unstable places: This may cause the unit to tip over or fall, resulting in personal injury, electric shock or fire.
 - Hot or humid rooms, such as showers. This may result in electric shock or fire.
 - Places such as kitchens where steam or smoke is emitted.
- Do not use the air purifier in rooms where smoke-based insect killers are used.
 - Chemical residues can accumulate in the device and then be released, which can lead to damage to health.
 - After the use of such insect killers or mosquito spirals, the room should be fully ventilated before using the air purifier.

Further safety-relevant information

- If any of the following occur, immediately disconnect and disconnect the air purifier and contact the manufacturer.
 - The device makes unusual noises or vibrates strongly during operation.
 - The equipment, power plug or cord may become abnormally hot.
 - The smell of fire or smoke is perceptible.
 - One of the keys can no longer be operated.
 - Other irregularities or malfunctions.
- Clean the mains plug regularly. If it is heavily soiled or very damp/wet, this can pose a fire hazard.
 - Disconnect the device and clean the plug with a dry cloth.
 - If the device will not be used for a longer period of time, disconnect it.
- Always disconnect the unit before moving, cleaning or cleaning/replacing the filter.
- Make sure that the plug is always firmly and securely plugged into the socket.
- Do not use the device if the mains plug or socket is damaged.
- Always reach for the mains plug to disconnect the device. Do not disconnect the unit by pulling the power cord.
- Use the ON/OFF switch to turn the unit on and off.
Never use the plug to switch the unit "on and off".
- If candles or gas ovens burn in the same room during operation, open the window occasionally.
- The device must not be used in an environment containing high levels of dust or chlorine.
- The device must not be used in closed and narrow rooms.
- If the supply cable is damaged, stop operation and have it replaced immediately by the manufacturer or an authorised specialist workshop.
- The device may only be operated by persons who are physically and mentally capable of correct operation according to these operating instructions or who have been instructed on this device by a responsible person.
- Do not allow children to play with the device or its packaging, such as plastic films.
- Do not operate the unit without a filter, as dust cannot be filtered and can get inside the unit. This can lead to malfunctions.

Intended Use

The air purifier is only intended for air cleaning of privately used rooms (e.g. living rooms, bedrooms, storage rooms or cellars). The user must comply with the specified operating parameters of these instructions.

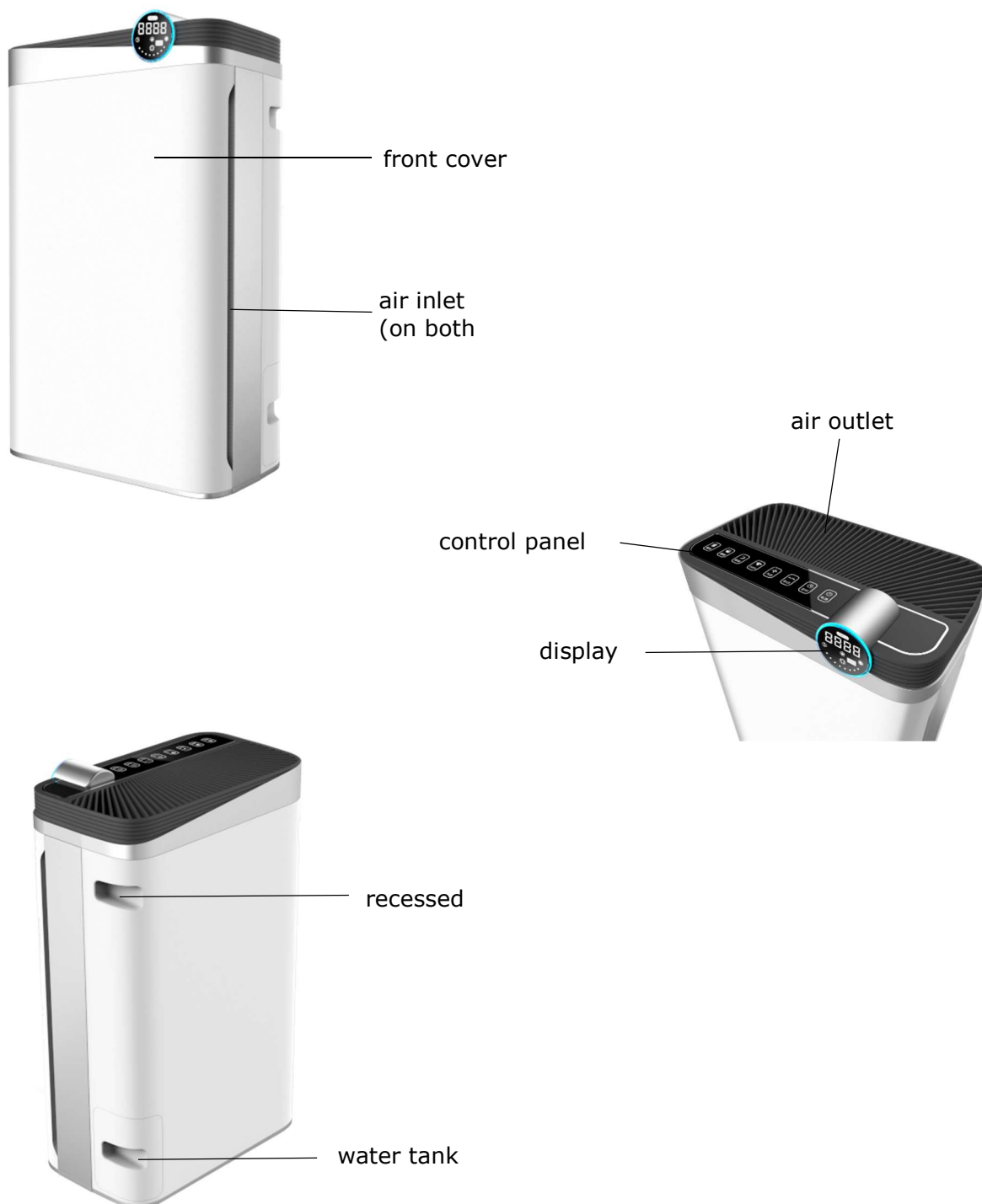
The machine may only be used for its intended purpose. Any further use beyond this is not intended. The user/operator and not the manufacturer shall be liable for any damage or injury of any kind resulting therefrom.

Air cleaners are only conditionally suitable for use in kitchens, as oils and fats in the air as well as increased soot pollution can very quickly clog the filters.

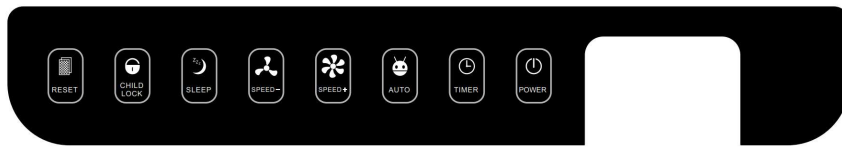
Technical data

Product name:	Comedes Lavaero 1000
Tension:	220-240V / 50/60 Hz
Nominal power:	85W
Air flow rate:	488m ³ /h
Timer (hours):	1-12
Weight:	11,3 kg
Dimensions (W*H*T):	401*662*232 mm
Noise emission:	max 69dB(A)

device description



Control panel/display



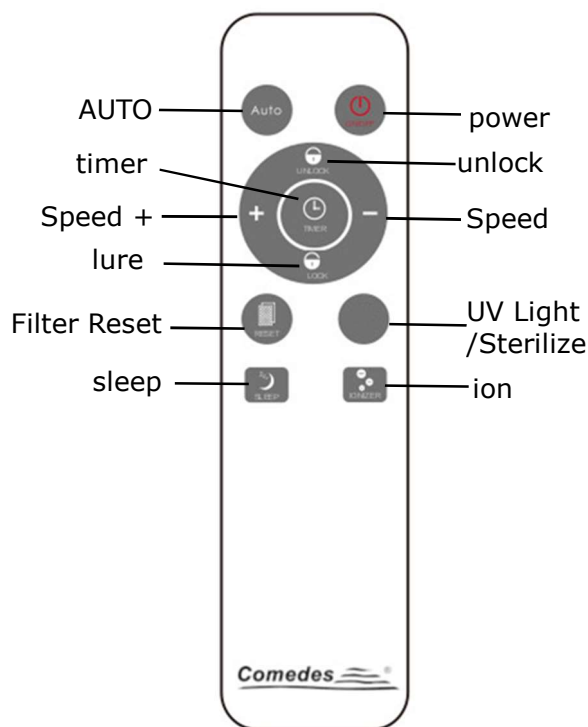
control panel



display

remote control

A button cell Lithium Cell CR2032, 3V is required for the remote control.
(Not included in delivery.)



Before commissioning

Remove the filter elements from the unit, remove the protective films and reinsert them into the unit. Follow the steps in the chapter "Filter change". The filters should normally be changed every 6-9 months.

commissioning

Inserting the device

When you plug in the device, the power LED lights up.
Caution: Never insert or remove the device with wet hands.



Power

POWER

The power switch is used to turn the unit on and off.
(The symbol lights up red in standby mode and orange when switched on).
The device always starts in automatic mode.



Auto

AUTO

Press the "AUTO" button to start the automatic mode. In this mode, the fan level is automatically selected depending on the air quality. If the mode is active, the "AUTO" button lights up. The ionizer and the UV light are switched on in this mode. By pressing the "IONIZER"- or "IONIZER" button

"STERILIZE" button on the remote control, the ionizer or the UV light can be

but be switched off.
To switch from automatic mode to manual mode, press one of the following keys.
of the two "SPEED" buttons.

Relationship between PM2.5 measured value, fan stage and color indicator					
fan stage	PM2.5 Measured value	colour indicator	fan stage	PM2.5 Measured value	colour indicator
1	0-50	green	5	121-140	Yellow
2	51-80		6	141-160	
3	81-100	Blue	7	161-300	red
4	101-120		8	301-500	



Timing

timer

With the timer you can set the running time of the device. Times between 1 and 12 hours can be selected. If the display shows 12 and you press the button again, the timer is switched off.

When the time has elapsed, the unit switches off automatically.

If the timer is active, the corresponding button lights up and the display shows the remaining runtime is displayed.



Negative Ion

Ionizer (IONIZER)

This button on the remote control switches the ionizer on and off.

The unit always starts with the ionizer switched on.

If the ionizer is switched on, the corresponding indicator on the display lights up.



Sterilization

UV light (STERILIZE)

This button on the remote control switches the UV light on and off.

The unit always starts with the UV light switched on.

If the ionizer is switched on, the corresponding indicator on the display lights up.



Sleeping

sleep

In this mode, the device operates at the lowest fan speed for minimal noise.

Except for the Sleep display, all displays go out.

If a running time has been set via the timer before the start of the sleep function, this setting remains and the device switches itself off after the time has elapsed.

To exit Sleep mode, press either Sleep, Auto or one of the two Speed buttons twice in succession.

light sensor

The air purifier is equipped with a modern light sensor. If the unit works in automatic mode, both the air quality and the light intensity are monitored. If it is

dark in the room for longer than 2 minutes, the device automatically switches to sleep mode. If the room is illuminated for longer than 3 minutes, the unit returns to normal automatic mode.



speed

Press the "+" key to increase the fan speed.

Press the "-" key to lower the fan speed.

The set fan level (1-8) is shown on the display.



SPEED+



Child-Lock

Child lock (Lock)

Press the "CHILD LOCK" button to activate the child lock/key lock. If the parental control is activated, the corresponding key lights up.

Press and hold this button again for at least 5 seconds to release the key lock.

The child lock is activated by pressing the "LOCK" button on the remote control and deactivated by simply pressing the "UNLOCK" button.



Reset

Filter change indicator and filter reset

The Comedes Lavaero 1000 has a modern filter change indicator.

After 320 hours, the filter change symbol starts flashing. This is to inform you that the prefilter and the HEPA element should be cleaned. After cleaning and reinserting the filters, press and hold the "Reset" button for at least 5 seconds to reset the filter timer.

After 1500 hours, the filter change symbol lights up continuously. This will indicate to you that the two main filters should be replaced. After changing the filters, press and hold the "Reset" button for at least 5 seconds to reset the filter timer.

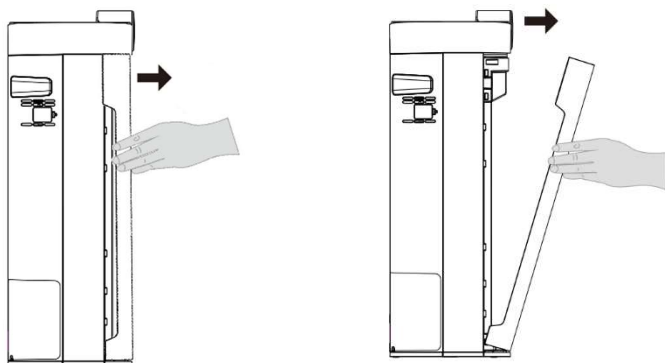
Depending on the type and intensity of use, the filter may have to be replaced before the filter change indicator lights up. Therefore, check the filter regularly.

Front cover handling

The air purifier can only be operated with the front cover inserted correctly.

For a firm hold, the front cover is locked on both sides with magnets in the upper area.

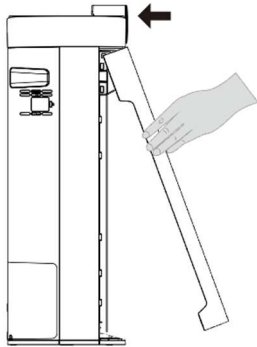
1. Removing the front cover



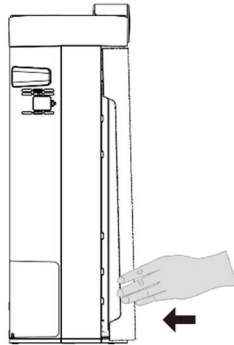
Release the latches in the upper part of the front cover by pulling lightly.

The front cover can now be removed diagonally upwards.

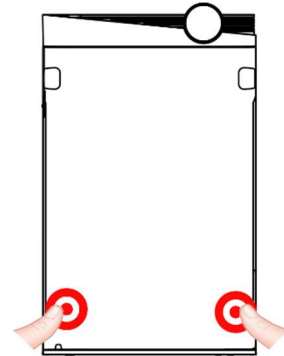
2. Installing the Front Cover



First place the front cover on top.



Now close the front cover by pressing it down.



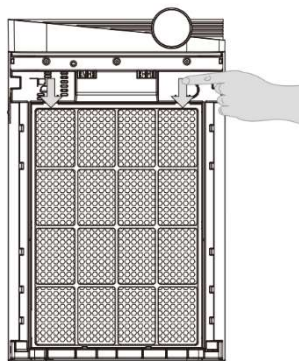
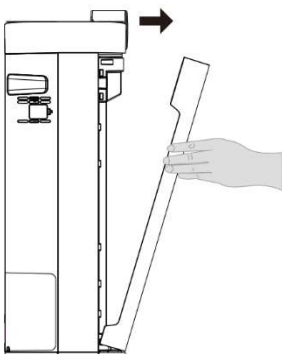
To lock the front cover, press it into the locks with both thumbs.

filter change

After some time in operation, the filter elements must be replaced.

1. filter removal

Always switch and disconnect the device for this purpose.

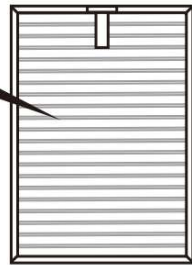
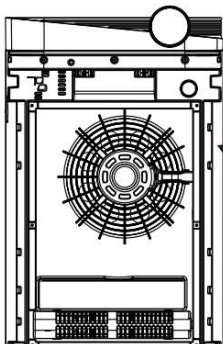


Take the
Remove the filter cover.
the

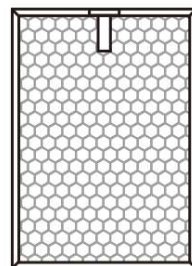
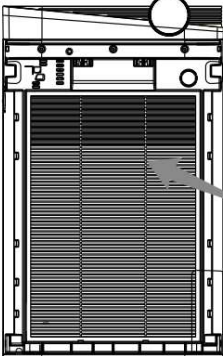
Remove the
Prefilter.

Remove the filters
always first from
Protective film, before
you
and they use it.

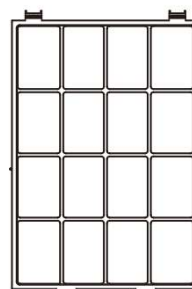
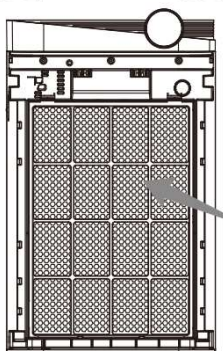
2. The prefilter can be cleaned under running water and does not need to be replaced.
3. Now check the filters. If the HEPA element is not yet too discoloured, vacuum it off with a vacuum cleaner (preferably outdoors).
4. If the filters are very dirty or discoloured, replace them.
5. Please note that the replacement filters must be removed from the protective film before they can be inserted into the device.
6. Inserting the filters



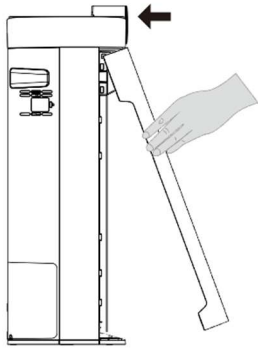
First the HEPA filter element must be used. Make sure that the filter is inserted with the tab facing outwards.



Secondly, the activated carbon/cold catalysis combination filter must be used. Make sure that the filter is inserted with the tab facing outwards.



Thirdly, the prefilter must be used. Make sure that the filter is inserted so that the side with the handle is facing outwards.



Finally, replace the filter cover.

Attention: The unit can only be started if the filter cover is inserted correctly.

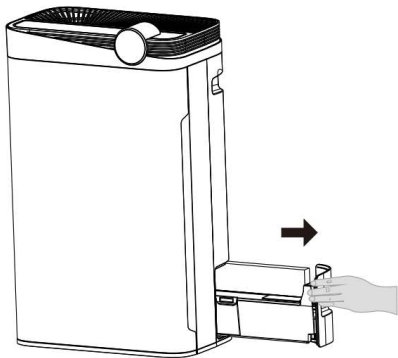
air humidification

The Comedes Lavaero 1000 is equipped with an air humidification function. Humidification takes place by means of the evaporation principle. As soon as the water tank is filled with water, the air flowing through the unit is automatically moistened. The higher the fan speed, the higher the humidification performance.

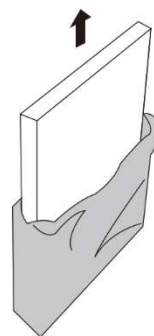
If the water tank is empty, the corresponding display flashes on the display. The unit continues to operate normally, which means it can be operated without humidification. If the water tank is removed, the appliance switches off and the symbol on the display lights up continuously.

Filling the water tank:

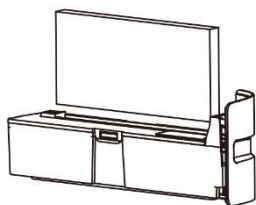
Always switch and disconnect the device for this purpose.



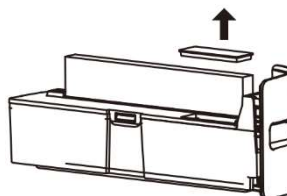
1) Pull the water tank out of the side of the appliance.



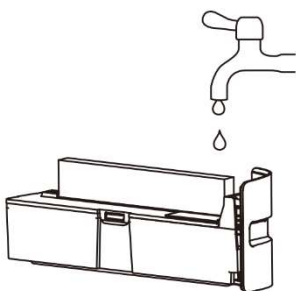
2) Remove the humidifying filter from the protective film.



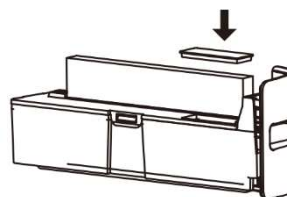
3) Insert the humidifying filter into the water tank.



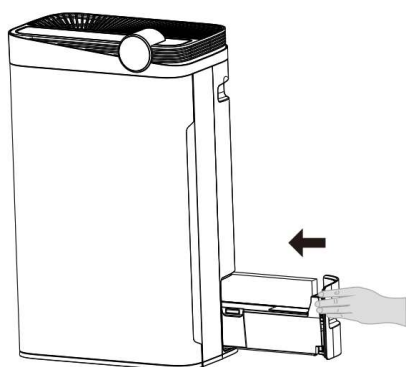
4) Open the rubber cover of the filling opening.



5) Fill the water tank via the filling opening with approx. 1 litre of cold, clear water.



6) Close the filling opening again with the rubber cap.



7) Push the water tank back into the side of the unit.

Cleaning the device

Disconnect the mains plug before cleaning!

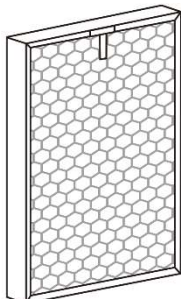


- **Clean housing:**
 - Do not use aggressive cleaning agents, but only a dry and soft cloth.
- **Clean the prefilter (every other week):**



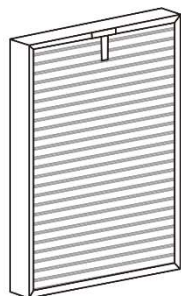
- Remove the prefilter from the unit as described in the chapter "Changing the filter".
- The prefilter can be vacuumed or washed under cold, clear water. Dry the filter before reinserting it into the unit.

• **Clean the activated carbon/cold catalysis filter combination (every other month):**



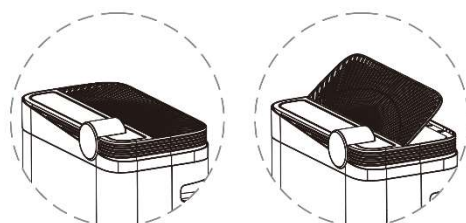
- Remove the filter from the unit as described in the chapter "Changing the filter".
- Carefully clean the front of the filter with a vacuum cleaner.
- Place the filter in a well-ventilated place so that some of the bound gases can escape.
- Do not place the filter in direct sunlight.
- When cleaning the filter, be careful not to damage it.
- Never use water to clean this filter.

• **Clean HEPA element (every other month):**



- Remove the filter from the unit as described in the chapter "Changing the filter".
- Carefully clean the filter with a vacuum cleaner.
- Place the filter in a well-ventilated place so that some of the bound gases can escape.
- Do not place the filter in direct sunlight.
- When cleaning the filter, be careful not to damage it.
- Never use water to clean this filter.

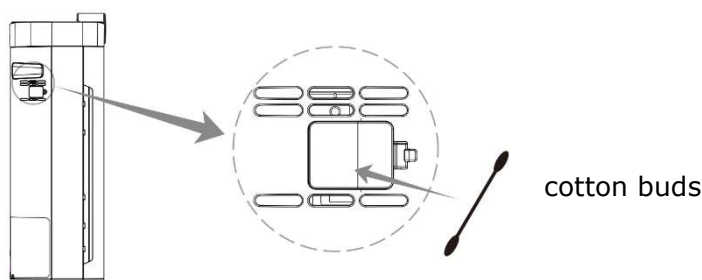
• **Clean the air outlet:**



- Switch on and disconnect the device.
- Open the cover of the air outlet by pressing on the cover and pulling it upwards.
- You can now carefully clean the air outlet with a dry cloth.
- Then close the cover of the air outlet.

unit switches off automatically. The unit cannot be restarted until the lid has been inserted correctly.

• **Clean air quality sensor (every second month):**



- The air quality sensor of the air purifier should be cleaned at least every 2 months to ensure accurate measurement.
- Make sure that the device is switched off and disconnected.

- First, remove the air quality sensor cover and clean it with a soft brush or cloth.
- Now carefully clean the lens of the air quality sensor with a cotton swab.
- In poor lighting conditions, use a flashlight or similar to see the lens well.
- Just clean the lens. Do not insert the cotton swab into any other opening in the sensor unit.
- Finally, replace the cover of the air quality sensor.

Malfunctions and remedies

Current operating instructions can be found at <http://www.comedes.com>

Turn off the unit immediately and contact your dealer if any of the following problems occur:

- Fuse's blown.
- Foreign material gets into the device.
- The plug or power cord heats up.

Do not open the unit without authorized service personnel. However, you can check the following causes of faults yourself:

The device cannot be switched on:

- Is the plug inserted correctly?
- Has the fuse blown or is there no voltage at the socket?
- Isn't the device upright or has it been put down?
- Is the child lock activated?
- Is the filter cover fitted correctly?

The air flow at the outlet opening is lower:

- Is the filter too dirty or clogged?

The air quality is always very good, even though the air is polluted:

- Has the unit been positioned in a narrow niche or similar?
- Can sufficient air circulation build up in the room?

Poor air quality is always displayed even though the unit has been running for a long time:

- Is the particle sensor dirty?

The air purifier emits an unusual odor:

- Are the filters too dirty or clogged?
- Has the filter not been replaced for a long time?

The air purifier does not automatically switch to sleep mode:

- Is automatic mode activated?

The device is disproportionately loud:

- Does the device stand on an uneven surface?
- Isn't the filter unpacked?
- Is the filter too dirty or clogged?

During operation, a beating or chirping noise can be heard:

- Is the ionizer very dirty?

Remote control does not work:

- Replace the battery.

The filter performance is very low:

- Are the filters inserted in the correct order?
- Aren't the filters unpacked?
- Do the filters have to be replaced?

Further information

Filter system:

prefilter

The prefilter is the first barrier for particles. Large particles in the room air are collected by this filter and can later either be vacuumed off with a vacuum cleaner or washed off under running water.

cold catalysis filter

The catalytic effect of this filter is also used in normal living environments. Activation by UV light, high temperatures or pressure is not necessary.

Through the catalytic reaction can reduce the concentration of various gaseous compounds, such as formaldehyde, benzene and TVOC. The reaction of these gases produces water and carbon dioxide.

activated charcoal filter

Activated carbon, thanks to its highly porous structure, has a very large surface area, which enables it to adsorb a large amount of different odorants and flavors, as well as various VOCs.

HEPA Filter

The HEPA (High Efficiency Particulate Airfilter) medium is able to remove even the smallest particles from the room air. The filtration is carried out by means of mechanical filtration and particle filtration by adhesion forces.

The HEPA element is additionally equipped with an antibacterial filter fabric.

ionizer

In the last step, the air finally flowing out of the device is mixed with a small quantity of negatively charged ions. These ions attach themselves to the smallest particles in the room air and charge them statically. The particles charged in this way then tend to accumulate with other particles and form larger clusters, which can then be more easily absorbed by the filter medium.

ultraviolet light

Irradiation with ultraviolet light is used for disinfection in many areas of industry and medical technology. This disinfecting and sterilizing effect is also used to clean the room air flowing through the air purifier.

Notes on air cleaning for cigarette smoke

Cigarette smoke consists of numerous complex chemical compounds. For the air purifier, it is essentially divided into solid components of smoke and gaseous components of smoke. The solid smoke particles are filtered out by the HEPA filter. The gaseous components can be absorbed by the activated carbon and cold catalysis filters.

- The device should be placed as close as possible to the smoke source.
- Depending on how many cigarettes are smoked, the service life of the filter is shortened.

Information on air cleaning in case of problems with pollen

The air purifier is able to filter all common pollen from the air. These remain in the HEPA filter. In order for the device to be fully effective and to significantly reduce the pollen concentration, we recommend the creation of a refuge in which the air purifier is located. The device can only remove airborne allergens, but not allergens that have already settled on beds, walls, furniture, etc. The device can only remove airborne allergens.

For this reason, please observe the following instructions:

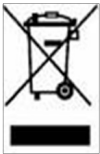
- Carry out a basic cleaning of the room before using the device.
- Do not use dust cloths for cleaning, but a damp cloth.
- Vacuum upholstered furniture at least once a week. Use a vacuum cleaner suitable for allergy sufferers.
- Wipe the room wet at least once a week.
- Let the unit run at levels 1-4 during the day.
- Turn off the device for sleeping.
- Set the fan to level 5-8 during ventilation. The best time to air the rooms is between 6:00 and 8:00 in the morning in cities or from 19:00 in rural areas.

Information on air cleaning in case of problems with house dust

House dust is usually generated by mites living in upholstered furniture, pillows, blankets and

mattresses. The house dust remains there for the time being. The air purifier can only remove house dust from the air. It is therefore advisable to turn off sources of house dust before using an air purifier.

- Cover mattresses allergen-proof (Encasing).
- Cover pillow and duvet allergen-tight.
- Wash pillows and duvets frequently.
- Replace older mattresses.
- Use vacuum cleaner with fine filter.
- Vacuum mattresses monthly.
- Avoid dust traps in the bedroom.
- Do not place indoor plants in the bedroom.



This product must **not be disposed of with household waste**. This air purifier must be disposed of at a recycling point for electronic and electrical equipment. You can obtain further information about the relevant acceptance points from your local authority or city administration, or from Comedes GmbH.