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Dear customer,

thank you for choosing the Lavaero 150 ECO air purifier from Comedes GmbH.

You have purchased a powerful air purifier, which has been designed according to the latest technical standards. To ensure that the device is a faithful guard, we ask you to study the operating instructions, especially the safety instructions, in detail.

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

e-mail address: service@comedes.com,
Phone: +49 99336289925

If you provide your phone number, we will call you back free of charge.

We are pleased to receive any feedback from customers and welcome you to contact us record.

With kind regards



Philipp Thannhuber
Managing Director
Comedes GmbH

WARNING:

Please read the instructions carefully before commissioning. Failure to comply of the safety instructions and directions may result in electric shock, fire and/or serious injury. Keep all safety warnings and instructions for future reference.

Heads up! Do not open the device before the power supply unit has been disconnected from the mains socket.

Danger to life through electric shock! Have repairs carried out only by an authorised specialist workshop.

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Safety Instructions

- Check the voltage of 100-240V~ 50/60Hz before use.
- When plugging in the power supply unit, make sure that the plug is completely and securely placed in the socket.
- Check the power supply unit and the mains cable before plugging in.
- If the device is not being operated, disconnect the power supply from the socket.
- Do not insert your fingers or objects into the air inlets or outlets of the appliance. It may cause injury or a short circuit.
- Use the power switch to switch the unit "on and off".
- Never use the power supply/cable to switch the unit "on and off".
- Before moving, lifting or cleaning the appliance, switch it off and unplug the power supply unit from the socket.
- Only use the device at temperatures between 5°C and 35°C.
- Do not use the device in rooms with strong temperature fluctuations. This can lead to condensation inside the device.
- Do not position the air purifier directly under an air conditioner to prevent moisture from entering the unit.
- Never try to clean the air inlets or outlets with pointed objects.
- Never immerse the appliance in water or other liquids. This could cause damage to the unit, electric shock or fire.
- Do not clean the appliance with water or other liquids. This could cause damage to the unit, electric shock or fire.
- Never spray flammable liquids into the unit.
- Never operate the unit in a damp room (e.g. bathroom). Risk of electric shock or power surge.
- Never use hairspray, thinners or flammable gases near the unit as there is a risk of fire and explosion.
- If candles or gas stoves are burning in the same room during operation, open the window occasionally.
- Never cover the air inlet or outlet and keep away from moving textiles that could block the air inlet or outlet. This may damage/destroy the blower motor.
- Always position the device on a flat, horizontal and dry surface.
- Do not place the device on a soft surface, such as a bed or sofa, to prevent the device from tipping over.
- Never operate the appliance near gas appliances, heat sources such as radiators, open fire or direct sunlight.
- The unit is not a fan or vacuum cleaner replacement. The life of the filter will be considerably shortened.
- The device must not be used in environments with high dust or chlorine content.
- Do not place any objects on the unit.
- Make sure that the power cable is not pinched, excessively bent or twisted, otherwise the cable wire may be exposed and/or damaged.
- If the power cord and/or power supply unit is damaged, stop operation and replace

it/them immediately.

- Do not operate the device via dimmable or power-altering sockets or adapters.
- Use only original accessories and spare parts or those approved by Comedes GmbH.
- Only use the power supply unit included in the scope of delivery. Do not use a power supply unit from another device.
- Do not use the supplied power supply unit for other devices.
- If the device is defective, switch and disconnect it.
- To avoid interference, position the unit at least 2 meters away from microwaves, TV sets, etc.
- The device may only be operated by persons who are physically and mentally capable of operating it correctly in accordance with this operating manual, or who have been instructed on this device by a responsible person.
- Never switch the device on or off with wet hands.
- Do not attempt to make repairs or other adjustments, either electrical or mechanical, to the unit yourself.
- Make sure that the filter element is unpacked and properly inserted into the appliance before starting the air purifier.
- Do not allow children to play with or near the appliance and keep it out of the reach of children.
- Do not let children play with the packaging, such as plastic sheeting.
- Make sure that the device has a clearance of at least 40 cm to all sides and to the top.

Appropriate use

The air purifier is only intended for air purification of privately used interiors (e.g. for living rooms, bedrooms, storage rooms or basements). The user must comply with the operating parameters specified in this manual.

The machine may only be used for its intended purpose. Any other use beyond this is not in accordance with its intended purpose. The user/operator and not the manufacturer is liable for any damage or injury of any kind resulting from such use.

Technical data

Product name:	Comedes Lavaero 150 ECO
Mains connection:	220-240V~ 50/60Hz
Rated voltage:	24V === 1,75A
Airflow:	250m³/h
Power consumption:	30W
Weight:	2.7 kg
Dimensions (W*H*D):	300x414x160 mm
Room size:	max. 40m²

Device description

Figure 1: Side view

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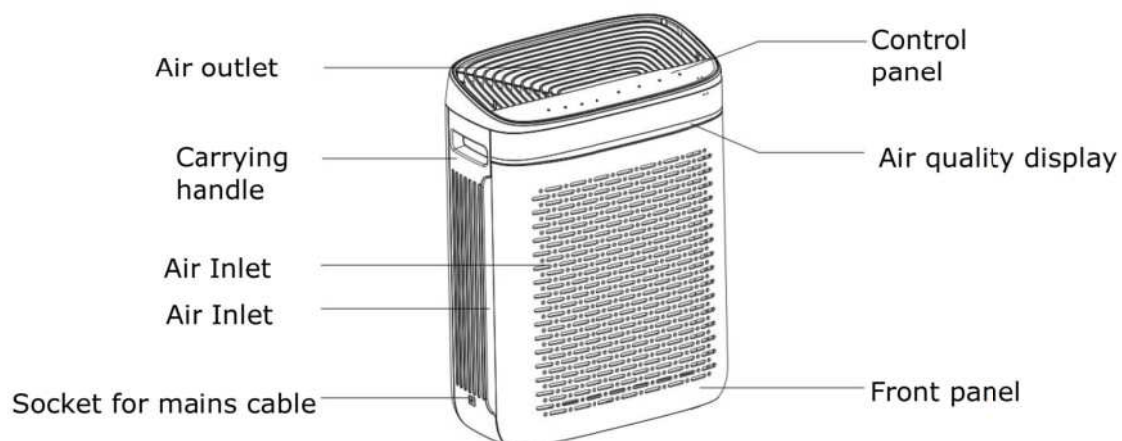


Figure 2: Inside view

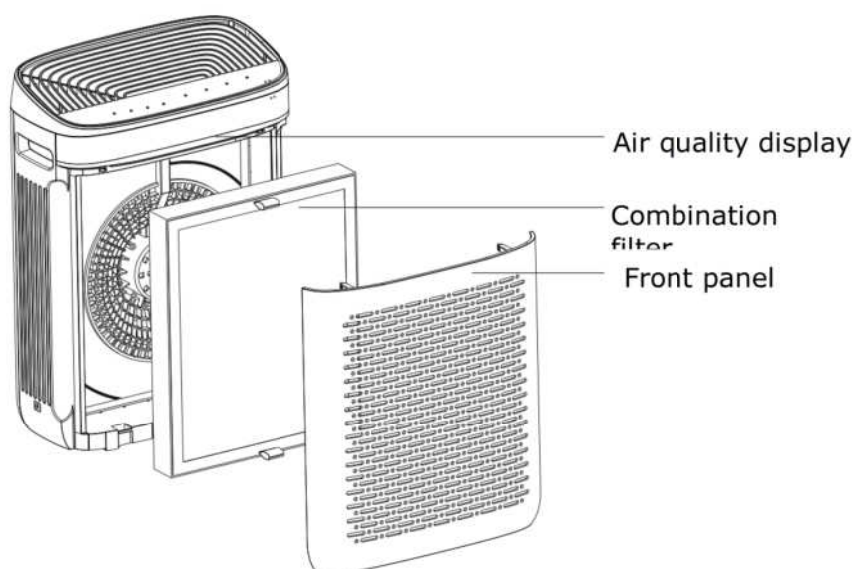
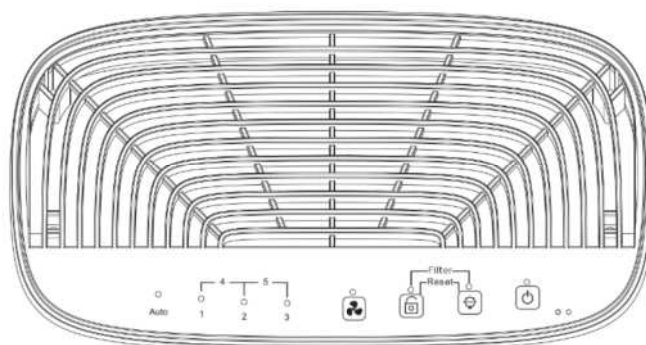


Figure 3: Display/control panel



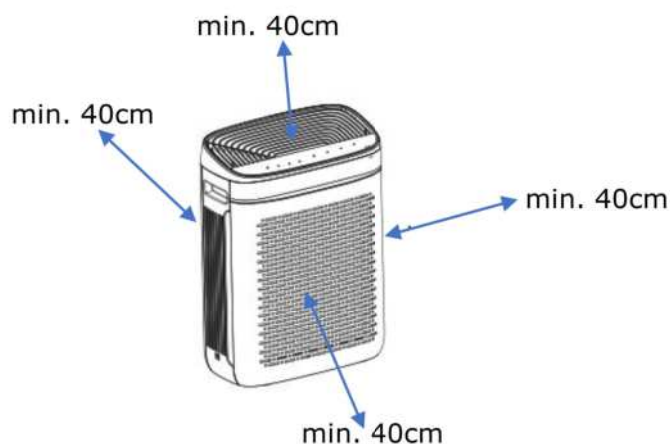
Before commissioning

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Remove the main filter from the appliance, remove the foil and put it back into the appliance. Follow the steps in the chapter "Filter change". The main filter should normally be changed every 6-9 months.

In order not to Monitor this, the device has a filter change indicator. This lights up when the filter needs to be changed or cleaned.

Keep sufficient distance to all sides and to the top.



Commissioning



1. power

The power switch is used to start and shut down the device.

The switch can be operated by simply pressing it.

The unit always starts with medium (3) air flow.

When the device is started, the particle sensor needs about 1 minute to be ready for operation. During this time the air quality display switches through the individual colours.

When the sensor is ready, the current particle load in the room air is displayed qualitatively via an LED ambient light.



2. speed

With this function the fan speed and thus the air flow rate, as well as the automatic mode can be set.

In order to be able to adapt the air flow rate optimally to the respective conditions, the device has 5 fan speeds.

By repeatedly pressing the switch, a fan speed between 1 (low) and 5 (high) and automatic mode can be selected.

If you use the unit in automatic mode, the fan is controlled by the air quality sensor.

Fan stages:

1		4	
2		5	
3			



3. light

With this key the lighting of the device can be switched on and off.
If the lighting of the device is switched off, only the Power LED is lit.



4. lock

To switch the key lock/child lock on or off, press and hold the Lock button for at least 3 seconds.

Filter change

After some time of operation the main filter must be changed.

Always switch off and unplug the device.



Release the front panel lock by reaching into the two side air inlets and then pressing with your thumbs against the housing above the air quality indicator.
You can now remove the front panel.



Now remove the filter element by gripping it by the tab and pulling it out of the unit towards the front.

Now check the filter.
If the filter is not yet too discolouring/dirty, vacuum it with a vacuum cleaner (preferably outdoors).
Please note that the replacement filter must be removed from the protective film before it can be inserted into the device.



Now put the filter element back into the device.



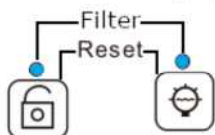
Insert the front panel and lock it in place.



You can now reconnect the device and put it into operation.

Filter change indicator:

The unit is equipped with a modern filter change indicator.



If the filter has to be checked/replaced, this is indicated by the simultaneous flashing of the Light and Lock button on the display and a signal tone sounds.

When the filter is replaced, the filter change indicator must be reset. To do this, press and hold the Light and Lock button simultaneously for at least 3 seconds.

Cleaning the device



Always unplug the power supply unit from the socket before cleaning!

Clean the device with a dry cloth. Do not use chemicals or immerse the unit in water or other liquids. You can also clean the air inlets with a vacuum cleaner (it is best to clean the unit outdoors).

The filter element of the unit should be cleaned every 1-2 weeks. It can be carefully vacuumed with a vacuum cleaner or cleaned with a soft brush. The filter element must not be cleaned with water or other liquids.

Faults and remedies

Current operating instructions can be found at www.comedes.com

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

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- The fuse has blown.
- Foreign material enters the device.
- The power supply unit or the power cord heats up.
- A smell of smoke or fire is noticeable.

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

The device cannot be switched on:

- Is the power supply plugged in correctly?
- Is the fuse blown or no voltage at the socket?
- Was the power button pressed?

The air flow at the outlet is lower:

- Is the filter too dirty or clogged?
- Has a small fan speed been selected?
- Has the filter been unpacked?
- Has sufficient clearance to all sides and upwards been maintained?

The device is disproportionately loud:

- Is the device standing on an uneven surface?
- Is the filter too dirty or clogged?

The device emits an unpleasant/unusual odor:

- Is the device used in rooms with high humidity or was the filter wet?

The cleaning line of the air purifier is too short:

- Is the filter too dirty or clogged?
- Was a too small fan stage selected?
- Has the filter been unpacked?
- Are the air inlets or outlets blocked?
- Has the filter element been inserted correctly?
- Is the device operated in a room that is too large?

Further notes

Air quality display and automatic operation

The prevailing air quality is indicated as follows via the ambient light:

Particle contamination	Colour indicator	Fan stage in automatic mode
Low particle load	Blue	1
Average particle load	Yellow	3
High particle load	Red	5

Filter system:

Prefilter/Nanosilver

The foam filter, which is attached to the main filter with a Velcro fastener, serves as a pre-filter and is also coated with nano silver. This antibacterial pre-filter is able to kill bacteria, thus protecting the following HEPA filter from dust and bacteria.

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HEPA filter element

In order to remove even the smallest particles, the room air flows through a HEPA element in the cleaning process, which absorbs pollen, fine dust and spores, among other things.

Activated carbon filter

In the next step, the air, now freed of solids, is treated by an activated carbon filter. In this working process, odours and toxins can be absorbed. Granulated activated carbon is deliberately used here, as it has a high degree of efficiency and a large total surface area.

Notes on air purification in the case of 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 are absorbed by the activated carbon filter.

- The unit should be placed as close as possible to the smoke source.
- The device should not be placed on the floor (for smokers, we recommend placing it on a table).
- Depending on how many cigarettes are smoked, the life of the filter is shortened.

Hints for air purification 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 have its full effect and significantly reduce the pollen concentration, we recommend creating a refuge in which the air purifier is located. The device can only eliminate allergens in the air. But not allergens that have already been deposited on beds, walls, furniture etc. Therefore please observe the following instructions:

- Before using the unit, carry out a thorough cleaning of the room.
- 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 1-5 during the day, depending on the size and layout of the room. Place the unit on a table. Do not place it on the floor.
- Turn off the device for sleeping.
- Set the fan speed to 5 during ventilation. It is best to ventilate the rooms between 6:00 and 8:00 in the morning in cities and from 19:00 in rural areas.

Notes on air cleaning in case of problems with house dust

House dust is usually produced by mites that live in upholstered furniture, pillows, blankets and mattresses. The house dust initially remains there. The air purifier can only remove house dust from the air. Therefore, it is recommended to turn off sources of house dust before using an air purifier.

- Cover mattresses so that they are allergen-proof (encasing).
- Cover pillow and duvet allergen-proof.
- Wash the pillow and duvet frequently.
- Replace older mattresses.
- Use vacuum cleaners with fine filters.
- Vacuum the mattresses monthly.
- Avoid dust traps in the bedroom.
- Do not place any houseplants 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 collection points from your local or city administration, or from Comedes GmbH.