PAE 49 / PAE 50



EN

INSTRUCTIONS
AIR COOLER

TROTEC

TRT-BA-PAE49-PAE50-TC240404TTRT01-009-HS-EN

Table of contents

Information on the use of these instructions **2**
Safety **2**
Information about the device **5**
Transport and storage **7**
Assembly and start-up **7**
Operation **12**
Available accessories **16**
Errors and faults **16**
Maintenance **17**
Technical annex **21**
Disposal **21**

Information on the use of these instructions

Symbols

Danger
This signal word indicates a hazard with a high risk level which, if not avoided, will result in serious injury or death.

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:

PAE 49

https://hub.trotec.com/?id=44176

PAE 50

https://hub.trotec.com/?id=41851

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.
- 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 cover the device during operation.
- Do not sit on the device.
- This appliance is not a toy. Keep away from children and animals.

- Check the device occasionally during operation.
- 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 device's power input, cable length and intended use when selecting extensions to the power cable. Completely unroll extension cables. Avoid electrical overload.
- 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!
- 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.
- 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 the suction side is kept free of dirt and loose objects.
- Never insert any objects or limbs into the device.
- Do not remove any safety signs, stickers or labels from the device. Keep all safety signs, stickers and labels in legible condition.
- Only transport the device in an upright position with an emptied water tank.
- Empty and clean the water tank prior to storage or transport. Do not drink the water. Health hazard!
- Never leave water in the reservoir when the appliance is not in use.
- Do not permit the area around the humidifier to become damp or wet. If dampness occurs, turn the output of the humidifier down. If the humidifier output volume cannot be turned down, use the humidifier intermittently. Do not allow absorbent materials, such as carpeting, curtains, drapes, or tablecloths, to become damp.
- Be aware that high humidity levels may encourage the growth of biological organisms in the environment.
- Micro-organisms that may be present in the water or in the environment where the appliance is used or stored, can grow in the water reservoir and be blown in the air causing very serious health risks when the water is not renewed and the tank is not cleaned properly every 3 days.
- Only fill the water tank with fresh drinking water, ice cubes made of fresh drinking water and / or suitable ice packs.
- Ice packs are not toys. Keep away from children and animals.
- Never open an ice pack. The liquid inside the ice packs can be harmful to health.
- Do not eat the ice that may form on the ice packs. Health hazard!
- Do not use the device if it has been dropped or if it shows visible signs of damage.
- Only use original spare parts, for otherwise safe and functional operation cannot be ensured.
- Use the CR 2025 button battery type.
- Do not insert a rechargeable battery into the remote control.
- Never charge a battery that cannot be recharged.
- Remove the discharged battery. Batteries contain materials hazardous to the environment. Dispose of the battery according to the national regulations.
- Remove the battery from the remote control if you will not be using the device for a longer period of time.
- Never short-circuit the terminal of the battery!
- Do not swallow batteries! If a battery is swallowed, it can cause severe internal burns within 2 hours! These burns can lead to death!
- If you think batteries might have been swallowed or otherwise entered the body, seek medical attention immediately!
- Keep new and used batteries and an open battery compartment away from children.
- If the battery compartment does not close securely, stop using the product via the remote control.
- Unplug the appliance during filling and cleaning.
- Do not run the mains cable in front of the air outlet or in its immediate vicinity.
- Do not wrap the mains cable around the device and do not kink it to avoid damaging the cable insulation. Do not place any objects on the mains cable.

Intended use

Only use the device for cooling the air in interior spaces while adhering to and following the technical data.

Intended use comprises cooling the air in:

- living spaces
- museums
- warehouses and archives
- libraries
- call centres and computer rooms

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

Reasonably foreseeable misuse

- Do not place the device on wet or flooded ground, e.g. near floor drains.
- Do not place any objects, e.g. clothing, on the device.
- Do not use outdoors.
- Do not use the device in the immediate vicinity of swimming pools, bathtubs and showers.
- Never immerse the device in water.
- Do not make any unauthorised modifications, alterations or structural changes to the device.

Personnel qualification

People who use this device must:

- have basic knowledge of how to safely handle electrical equipment.
- have read and understood the instructions, especially the Safety chapter.

Maintenance tasks which require the housing to be opened must only be carried out by specialist electrical companies or by the manufacturer.

Safety signs and labels on the device

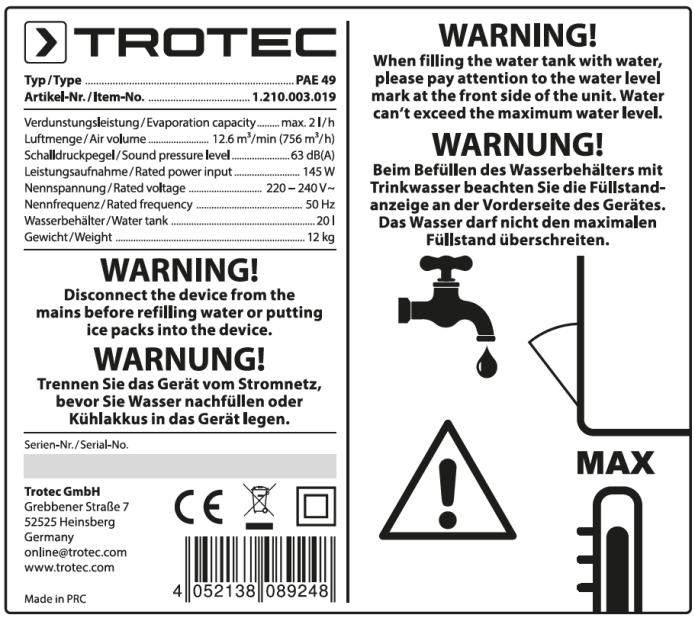
Notice

Do not remove any safety signs, stickers or labels from the device. Keep all safety signs, stickers and labels in legible condition.

The following safety signs and labels are attached to the device:

Symbols	Meaning
	This symbol located on the device indicates that the filter has to be checked and, if necessary, to be cleaned prior to each operation. Replace the filter if it is defective. Do not insert a wet filter into the device. Wait until the filter has dried.
	This symbol located on the device indicates that the water tank should be cleaned every 3 days. Change the water in the water tank every 3 days. Disconnect the device from the mains before cleaning the water tank.
	The symbols located on the device indicate that you have to pay attention to the filling level indication at the front of the device when filling the water tank with drinking water. The water must not exceed the maximum filling level. Disconnect the device from the mains before refilling water or putting ice packs into the device.

The nameplate is attached to the device in German and English. As an example, the nameplate of the device PAE 49 is shown here.



This label can be found on the device in English and German.

Operate the device with the adapter supplied by the manufacturer.

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
Risk of electric shock!
The device is not protected against water.
There is a risk of electric shock!
Never use the device in areas where dripping, spraying or running water can enter the device! Never immerse the device in water!



Warning of electrical voltage
Risk of electric shock!
Risk of an electric shock if the device comes into contact with water!
Do not use this device in the immediate vicinity of bathtubs, showers or swimming pools!



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.

Warning
The liquid inside the ice packs can be harmful to health!
If the liquid was swallowed, immediately seek medical attention.
If the liquid came into contact with your eyes, rinse with water and immediately consult an ophthalmologist.

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.

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 air cooler lowers the room temperature to a comfortable degree by evaporation-based cooling.

The device is filled with cold water or optionally with ice cubes and / or ice packs in order to cool down the incoming warm air at the evaporation filter and to blow out the cold air thus generated via the fan.

Besides its cooling function, the device can also be used for air freshening: thanks to an integrated air filter and the evaporation filter's honeycomb structure, the sucked-in air is filtered and humidified.

The fan speed can be set to four stages.

The discharge direction of the cooled air can be manually adjusted via the ventilation flaps as well as via the optionally selectable automatic swing mode.

The device has a night mode enabling ultra-silent operation at bedtime.

Moreover, using the timer function, the device can be switched on or off automatically with time delay.

The device can be operated via the control panel at the device or via the infrared remote control.

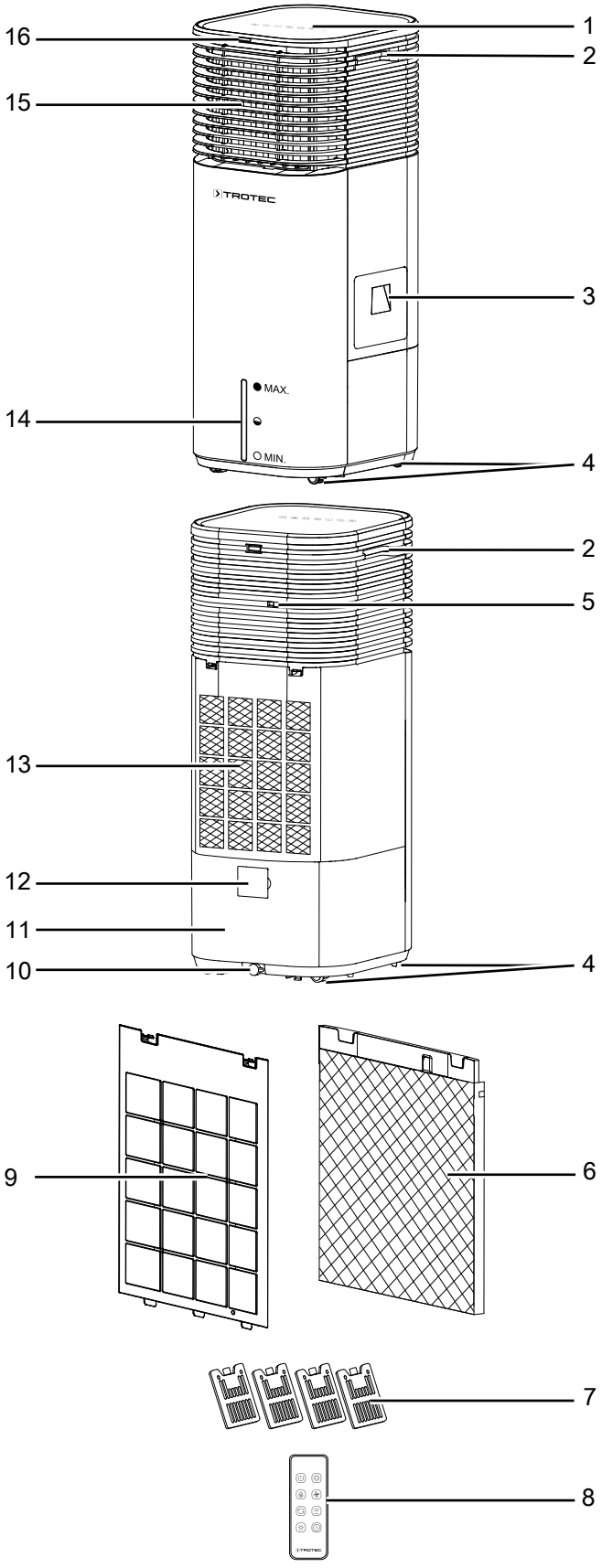
Additionally, the device comes equipped with an ionizer which eliminates odours and bacteria from the room air, if required.

The device is equipped with a scented oil tank for optimal room air aromatization.

Continuous operation is enabled by a permanent water connection.

The functioning of the two devices is identical, they merely differ in appearance or to be precise in colour. The device PAE 49 is available in white and the device PAE 50 is available in black.

Device depiction



No.	Designation
1	Control panel
2	Transport handle
3	Water funnel
4	Wheels
5	Power cable holder
6	Evaporation filter
7	Ice packs
8	Remote control
9	Air filter
10	Water outlet with rubber stopper
11	Water tank
12	Hose connection for continuous operation with cover
13	Air inlet with air filter and evaporation filter
14	Water level indicator
15	Air outlet with adjustable ventilation flaps and air flaps for swing function
16	Remote control receiver

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 wheels.

Before transporting the device, observe the following:

- Switch the device off.
- 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.
- Empty the water tank.
- 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:

- Set up the device in an upright position after transport.

Storage

Before storing the device, observe the following:

- Empty and clean the water tank prior to storage (see chapter Maintenance).
- Allow the evaporation filter to dry prior to storage. Otherwise the device may distribute a musty smell after restart.
- 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.

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.
- Place no further devices or objects on top of the device to prevent it from being damaged.
- Remove the battery from the remote control.

Assembly and start-up

Scope of delivery

- 1 x Device
- 1 x Evaporation filter
- 1 x Air filter
- 4 x Ice pack
- 4 x Foot
- 4 x Screw for foot assembly
- 1 x Permanent water connection hose with check valve, length 1.5 m
- 1 x Hose adapter
- 1 x Scented oil tank
- 1 x remote control (without batteries)
- 1 x Manual

Unpacking the device

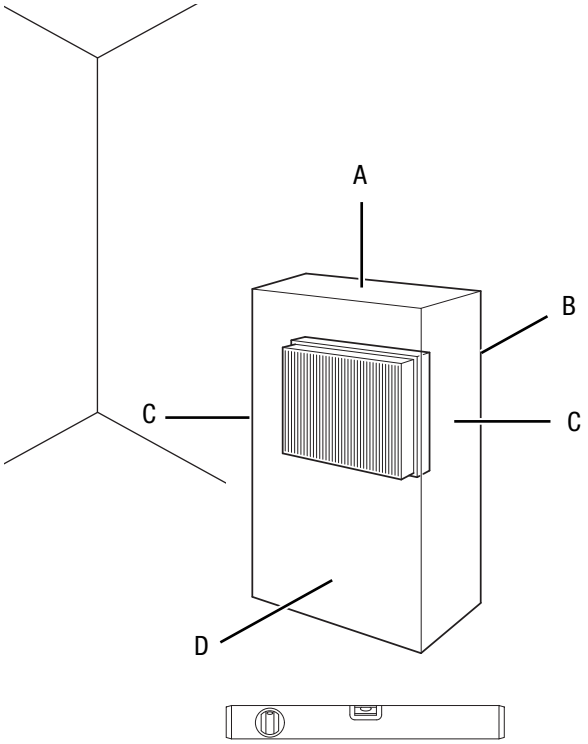
Danger

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

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.
- Make sure that extension cables are completely unrolled.
- Make sure that no curtains or other objects interfere with the air flow.

Observe the following before operating the device after a period of non-use or after the device has been stored:

- Clean the housing and the water tank prior to recommissioning (see chapter Maintenance).

Inserting the battery into the remote control

Warning of electrical voltage

Do not touch the battery compartment with wet or damp hands.

Notice

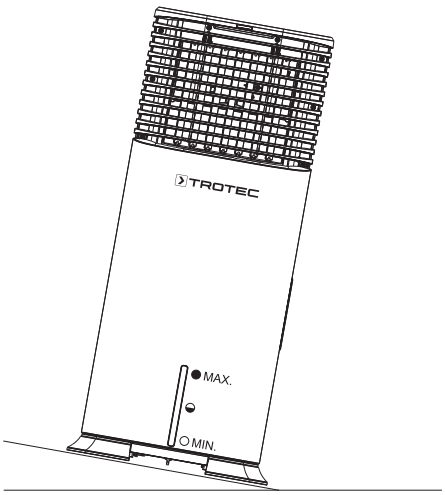
Do not use rechargeable batteries!

Please proceed as follows to insert or exchange the battery:

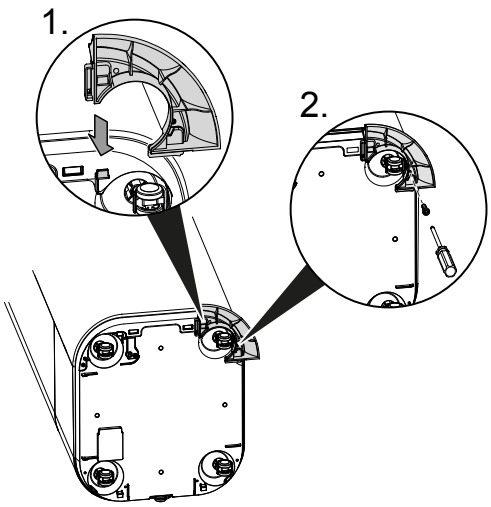
1. Press the locking at the side of the battery compartment together and pull the battery compartment out of the remote control.
2. Insert a type CR 2025 battery into the battery compartment and slide the battery compartment back into the remote control.

Mounting the feet

If you want to position and operate the device on a slope, first mount the feet.



1. Place the device on its side and position the feet.



2. Fasten each foot on the device with one screw.

Filling the water tank

The device requires fresh drinking water for air cooling.

Notice

Fill the device with fresh drinking water only. The water temperature must not exceed 40 °C.

Info

If possible, change the water every 3 days to prevent bacterial growth.

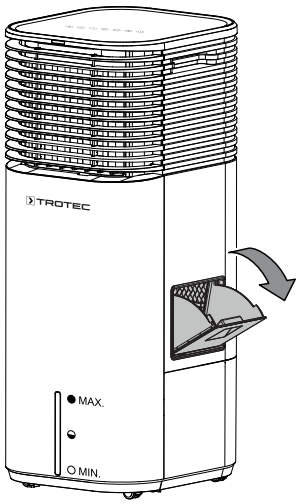
Observe the following when using the ice packs:

- Put the ice packs into a freezer for at least 4 hours before use.
- Put the ice packs into the water tank before filling water into the tank.

Info

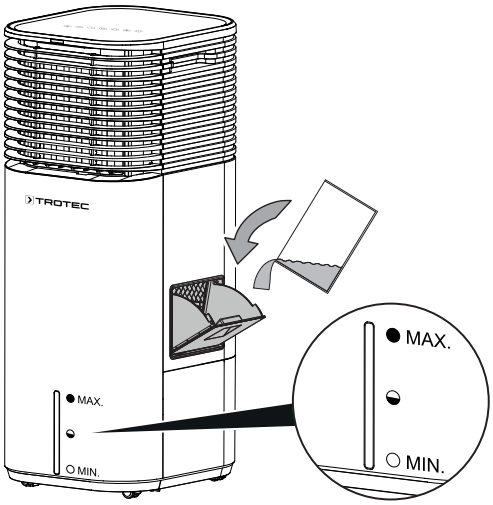
When using ice packs at high outside temperatures, condensation may form at the water tank and drip onto the floor.

1. Disconnect the device from the mains before refilling water or putting ice packs into the device.
2. Open the water funnel (3).

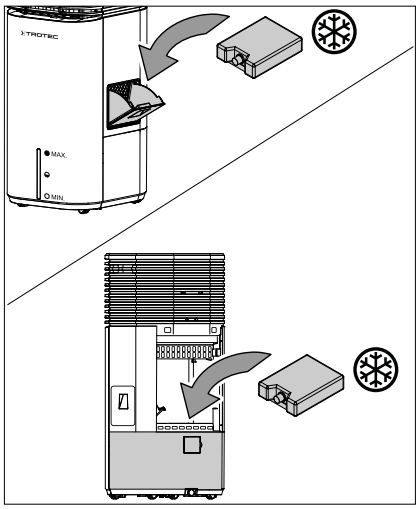


3. Ensure tight fit of the rubber stopper (10), for otherwise there might be uncontrollable water leakage.

4. Fill the water tank with fresh drinking water only (11). Optionally, you can add ice cubes made of drinking water for additional cooling.
   ⇨ Observe the minimum and maximum filling level at the filling level indicator (14).
   The water tank must be filled up to minimum filling level to enable pump operation.



5. If required, put the ice packs (7) into the water tank (11) for additional cooling. The ice packs can be inserted in two ways.
   ⇨ Option 1: Insert the ice packs into the device through the water funnel.
   ⇨ Option 2: Remove the evaporation filter (6) and the air filter (9) at the rear of the device and insert the ice packs.



6. Close the flap of the water funnel (3) or reinsert the evaporation filter (6) and the air filter (9).
7. Make sure that the device is neither damp nor wet on the outside. Otherwise wipe it dry.

Inserting evaporation filter and air filter

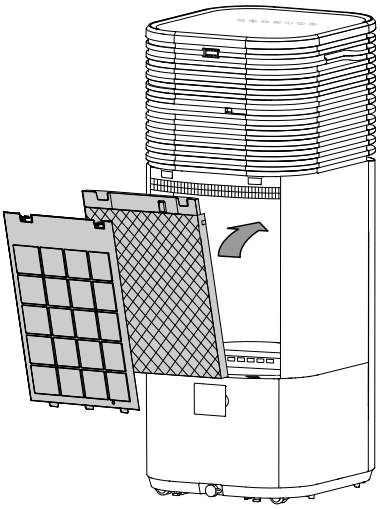
Notice

When set to air cooling mode, the device must not be operated without the evaporation filter, otherwise *cooling* will not work.

Notice

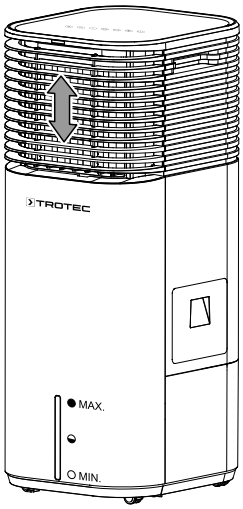
Do not operate the device without an air filter inserted into the air inlet!
Without the air filter, the inside of the device will be heavily contaminated. This can reduce the performance and result in damage to the device.

- Make sure that both the evaporation and the air filter are installed before switching the device on.



Adjusting the ventilation flaps

- Prior to switching the device on, adjust the ventilation flaps at the air outlet.



Scent option

Additionally, the device offers the possibility to distribute a scent during operation.

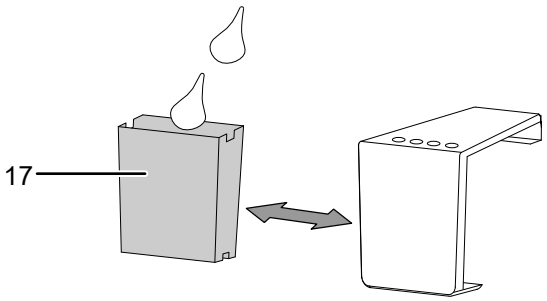
Notice

Put scented oil into the designated scented oil tank (17) only.

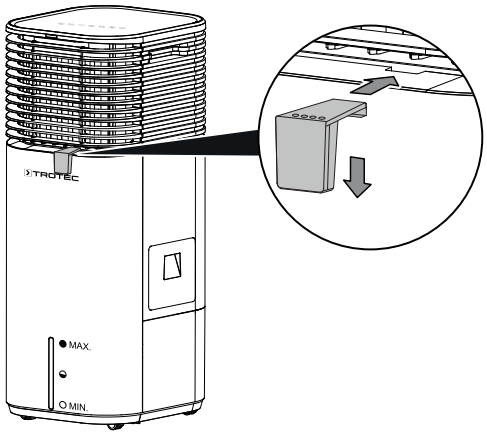
Use standard scented oil. Proceed as follows to use the scent option:

✓ The device is switched off and the power cable is disconnected from the mains.

1. Slide the scented oil tank out of the holder and put 2 to 3 drops of scented oil into the scented oil tank.



2. Push the scented oil tank back into the holder.
3. Attach the scented oil tank to the device.



Permanent water connection

If you use the device for an extended period of time or you do not want to fill the water tank con all the time, you can connect a permanent water connection hose to the hose connection (12).

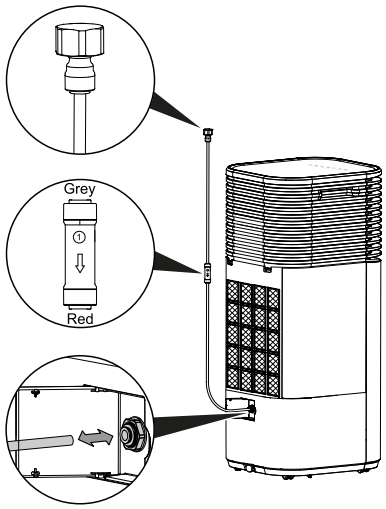
Notice

Once you have disassembled the supplied hose into its individual components, this hose must no longer be used.

Please observe the water inlet pressure, which ranges from 0.1 MPa (min.) to 0.4 MPa (max.). The water temperature should be below 25 °C.

✓ The device is switched off and disconnected from the mains.

✓ When filling the water tank (11) with drinking water, please pay attention to the filling level indication (14) at the front of the device. The water must not exceed the maximum filling level.



1. Open the hose connection cover (12).
2. Connect the supplied permanent water connection hose to the hose connection (12). Pay attention to the correct direction of connection.
3. Guide the other hose end to a suitable water connection. The permanent water connection hose must not be kinked.

Connecting the power cable

- Insert the mains plug into a properly fused mains socket.

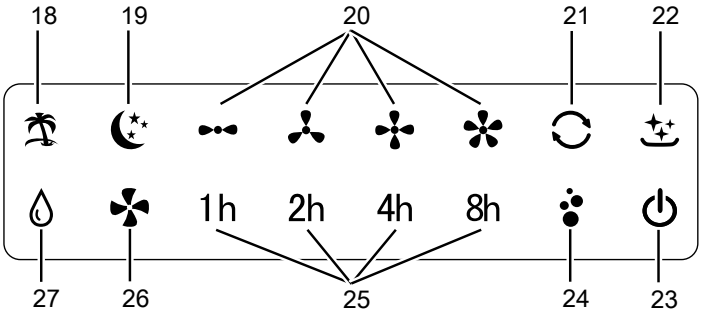
Info

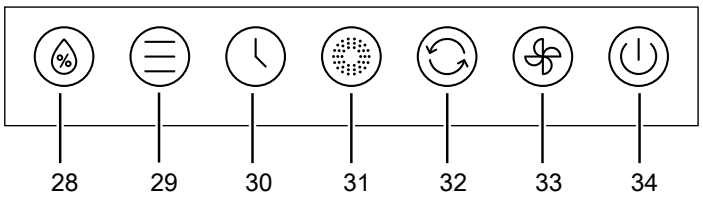
When connecting the power cable, an acoustic signal is emitted and the LEDs on the control panel briefly light up in red or white. The *Standby* LED (23) will then be permanently illuminated in red in standby mode.

Operation

- Avoid open doors and windows.

Operating elements





No.	Designation	Meaning
18	*Air freshening* LED	Illuminated in white when *air freshening* mode is activated
19	*Night mode* LED	Illuminated white when night mode is activated
20	*Fan stage* LEDs	Fan speed indication is illuminated in white: Stage 1 = low Stage 2 = medium Stage 3 = high Stage 4 = maximum
21	*Swing function* LED	Illuminated white when swing function is activated
22	*Filter reset* LED	Flashes red as a reminder to clean the filters after 200 operating hours
23	*Standby* LED	Illuminated red when the power cable is connected
24	*Ionizer* LED	Illuminated white when ionizer function is activated
25	*Hours* LEDs	Illuminated white when timer for automatic switch-on or switch-off is activated Indication of the number of hours of the activated timer *1h*, *2h*, *4h* and *8h*
26	*Ventilation* LED	Illuminated in white when *ventilation* mode is activated
27	*Humidity* LED	Illuminated white when *air cooling* mode is activated Flashes when water tank is empty
28	*Humidity* button	Switching the *air cooling* mode on or off
29	*Mode* button	Selection button for *air freshening*, *ventilation* and *night mode*
30	*Timer* button	Switching the timer function on or off: 1h, 2h, 4h, 8h
31	*Ionizer* button	Switching the *ionization* mode on or off
32	*Swing* button	Switching the swing function on or off
33	*Speed* button	For setting the fan speed
34	*Standby* button	Switching the device on or off

Warning of electrical voltage

Risk of electric shock!
The device is not protected against water.
There is a risk of electric shock!
Never use the device in areas where dripping, spraying or running water can enter the device! Never immerse the device in water!

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 *Standby* button (34).

⇨ The device starts in *ventilation* mode at fan stage 1.
⇨ The LEDs *Ventilation* (26) and *Fan stage 1* (20) light up white.
⇨ The *Operating mode* LED (23) is illuminated in red.

Setting the operating mode

The device comes with the following operating modes:

- *Air cooling*
- *Air freshening*
- *Ventilation*

Air cooling

The *air cooling* mode can be switched on in addition during all other operating modes.

During *air cooling* the pump is switched on and the water is distributed over the evaporation filter to cool the circulating air. If the water tank is empty, the *Humidity* LED (27) flashes.

Please proceed as follows to activate *air cooling*:

1. Press the *Humidity* button (28).
   ⇨ The *Humidity* LED (27) lights up white.
   ⇨ The pump starts.
2. Press the *Speed* button (33) to set the desired fan stage (1 to 4).
3. Press the *Humidity* button (28) again to switch *air cooling* off.
   ⇨ The *Humidity* LED (27) goes out.
   ⇨ The device continues to run in the previously selected operating mode.

Notice

When *Air cooling* mode is activated, the air and evaporation filter must not be removed, otherwise the water from the filter will drip down into the device.

Air freshening

In *Air freshening* mode, the fan speed increases and decreases alternately to generate a pleasant, natural air stream.

Please proceed as follows to activate *air freshening*:

1. Press the *Mode* button (29) until the *Air freshening* LED (18) is illuminated. The fan stages are automatically adjusted.

Ventilation

In *ventilation* mode, you can select all 4 fan speeds manually.

Please proceed as follows to activate *ventilation*:

1. Press the *Mode* button (29) until the *Ventilation* LED (26) is lit.
2. To adjust the fan stage, press the *Speed* button (33) until the LED for the desired *fan stage* (20) is illuminated.

Night mode

In night mode, it is possible to additionally switch on *air cooling*.

Air freshening cannot be activated.

The timer is automatically set to 8 h.

In night mode, the device operates using a preset programme with different fan speeds to generate an air stream that is adapted to human sleeping habits.

1. Press the *Mode* button (29) until the *Night mode* LED (19) is illuminated.

Setting the timer

The timer has two modes of operation:

- automatic switch-on upon expiry of a preset number of hours.
- automatic switch-off upon expiry of a preset number of hours.

The function can be set in all operating modes and also during stand-by.

The number of hours can be set to 1 h, 2 h, 4 h or 8 h.

Automatic switch-on

✓ The device is switched off.

1. Press the *Timer* button (30) until the desired number of hours is indicated by the *Hours* LEDs (25).

⇨ The timer is now set to the desired number of hours.
⇨ The device automatically starts in the previously selected operating modes after the set number of hours has elapsed.

Notes regarding automatic switch-on:

- Manually switching the device on disables the automatic switch-on function.
- If the power supply is interrupted, the timer and memory function will be deactivated.

Automatic switch-off

The device switches off automatically after a certain time if no settings are made:

- Night mode: automatic switch-off after 8 hours of operation
- Air freshening/ventilation: automatic switch-off after 15 hours of operation

You can also use the timer function in each operating mode to set the device to switch off automatically after a preset number of hours. To do so, please proceed as follows:

✓ The device is switched on.

1. Press the *Timer* button (30) until the desired number of hours is indicated by the *Hours* LEDs (25).

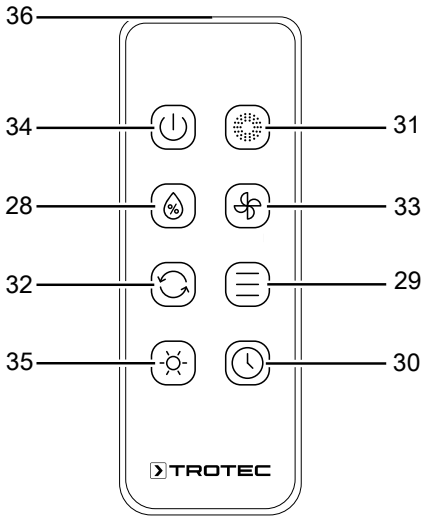
⇨ The timer setting equals the desired number of hours.
⇨ The device switches off automatically after the set number of hours has elapsed.

Notes regarding automatic switch-off:

- Pressing the *Standby* button (34) deactivates the automatic switch-off function.

Remote control

All settings of the device can also be made using the remote control included in the scope of delivery.



No.	Designation	Meaning
28	*Humidity* button	Switching the *air cooling* mode on or off
29	*Mode* button	Selection button for *air freshening*, *ventilation* and *night mode*
30	*Timer* button	Switching the timer function on or off: 1h, 2h, 4h, 8h
31	*Ionizer* button	Switching the *ionization* mode on or off
32	*Swing* button	Switching the swing function on or off
33	*Speed* button	For setting the fan speed
34	*Standby* button	Switching the device on or off
35	*Light* button	Switching the display illumination on or off
36	Remote control transmitter/receiver	For infrared transmission to the device

Swing function

The swing function can be switched on in any operating mode if required.

Behind the horizontal ventilation flaps, there are vertical air flaps integrated in the device. By means of the swing function, these air flaps are moved automatically and thus ensure continuous air circulation.

1. Press the *swing* button (32) to switch the swing function on or off.
   ⇨ When the swing function is activated, the *Swing* LED (21) is illuminated.

Ionization

Ionization can be switched on as needed. The device will then release ions for additional air purification. The released ions remove pollen, dust, viruses and bacteria from the room air.

Ionization can be switched on in any operating mode.

1. Press the *Ionizer* button (31) to switch ionization on or off.
   ⇨ When ionization is activated, the *Ionizer* LED (24) is illuminated.

Lighting

The LEDs on the operating element can be switched on or off.

1. Press the *Light* button (35) to switch the backlight on or off.

Info

If you press a button while the backlight is switched off, the corresponding LEDs will be illuminated for approx. 45 seconds and then switch off again.

Memory function

If you switch the device back on from standby mode, the settings selected for the operating mode are saved. Any activated timer or night mode will not be saved in the device.

Adding water

An empty water tank is indicated by the device with a flashing *Humidity* LED (27). In this case, the water tank must be refilled.

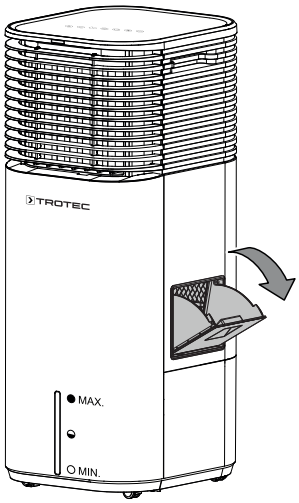
Observe the following when using the ice packs:

- Put the ice packs into a freezer for at least 4 hours before use.
- Put the ice packs into the water tank before filling water into the tank.
- Only place the ice packs into the designated compartment in the water tank, otherwise the pump will not function properly.

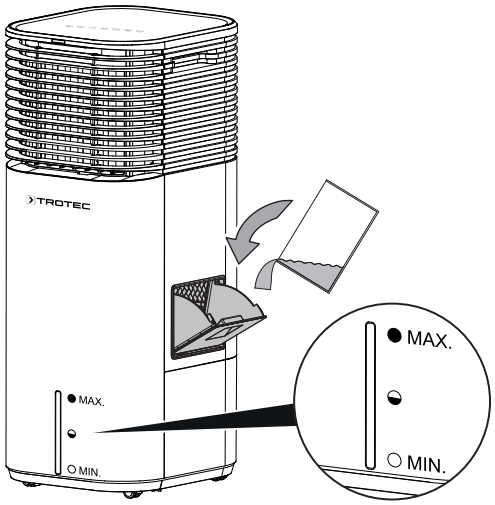
Info

When using ice packs at high outside temperatures, condensation may form at the water tank and drip onto the floor.

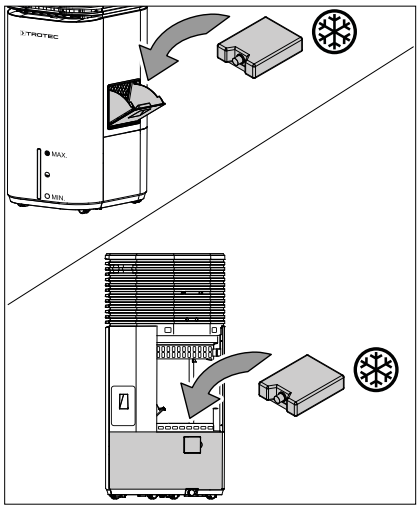
1. Disconnect the device from the mains before refilling water or putting ice packs into the device.
2. Open the water funnel (3).



3. Ensure tight fit of the rubber stopper (10), for otherwise there might be uncontrollable water leakage.
4. Fill the water tank with fresh drinking water only (11). Optionally, you can add ice cubes made of drinking water for additional cooling.
   ⇨ Observe the minimum and maximum filling level at the filling level indicator (14).
   The water tank must be filled up to minimum filling level to enable pump operation.



5. If required, put the ice packs (7) into the water tank (11) for additional cooling. The ice packs can be inserted in two ways.
   ⇨ Option 1: Insert the ice packs into the device through the water funnel.
   ⇨ Option 2: Remove the evaporation filter (6) and the air filter (9) at the rear of the device and insert the ice packs.



6. Close the flap of the water funnel (3) or reinsert the evaporation filter (6) and the air filter (9).
7. Make sure that the device is neither damp nor wet on the outside. Otherwise wipe it dry.

Auto stop function

If the water tank is empty, the *Humidity* LED (27) flashes.

In *air cooling* mode, the fan continues running; in *air freshening* mode, the device will stop automatically after a while.

Shutdown

Warning of electrical voltage
Do not touch the mains plug with wet or damp hands.

- Switch off the device.
- 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.
- Empty and clean the water tank (see chapter Maintenance).
- 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
Evaporation filter	7.710.000.862

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.
- If the device is not starting, have the electrics checked by a specialist company or by the manufacturer.

The device works with reduced or no capacity:

- Check the position of the horizontal ventilation flaps. They should be opened to the maximum.
- Check the air filter for dirt. If necessary, clean or replace the air filter.
- Check the minimum distance to walls or other objects. Position the device a little more in the room's centre if required.

The device is running, but there is no air cooling or pump operation:

- Check whether *air cooling* mode is activated. The *Humidity* LED (27) should be illuminated.
- Check the filling level of the water tank (see chapter Filling the water tank). The *Humidity* LED (27) should not flash.
- Check whether there are any objects blocking the pump inlet. Make sure that the pump inlet is not blocked.
- In case the pump does not operate despite a correctly filled water tank and activated air cooling mode, the pump might be defective. Please contact the customer service.

Water is leaking:

- Check the device for leaks.
- Check the water tank for tight fit.

The swing function is not working:

- The swing function motor might be defective. Please contact the customer service.

The device is loud or vibrates:

- Check whether the device is set up in a stable and upright position.

The device does not respond to the infrared remote control:

- Check whether the distance between remote control and device is too large and reduce it if necessary.
- Make sure there are no obstacles, such as furniture or walls, between the device and the remote control. Ensure visual contact between device and remote control.
- Check the charging status of the battery and replace the battery, if necessary.
- If the batteries have just been changed, check them for correct polarity.

The device still does not operate correctly after these checks:

Please contact the customer service. If necessary, bring 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	every 3 days	at least every 2 weeks	at least every 4 weeks	at least annually
Clean the water tank			X			
Check air inlets and outlets for dirt and foreign objects and clean if necessary	X				X	
Clean the exterior		X				X
Visually check the inside of the device for dirt		X				X
Check the air filter for dirt and foreign objects and clean if necessary	X			X		
Replacing the evaporation 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
Clean the water tank																
Check air inlets and outlets for dirt and foreign objects and clean if necessary																
Clean the exterior																
Visually check the inside of the device for dirt																
Check the air filter for dirt and foreign objects and clean if necessary																
Replacing the evaporation filter																
Check for damage																
Check attachment screws																
Test run																
Remarks:																

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

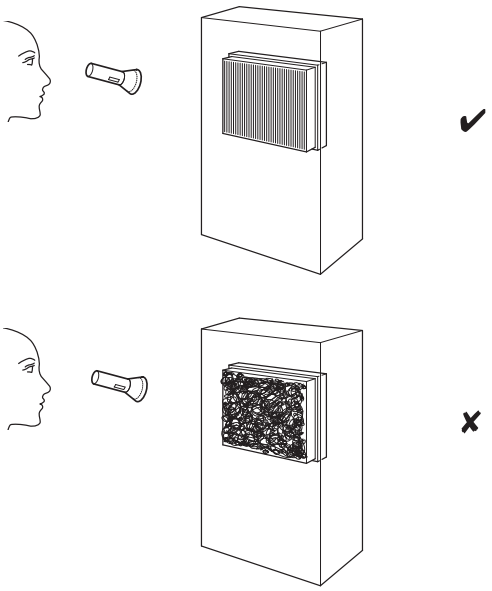
Warning of electrical voltage
Do not touch the mains plug with wet or damp hands.

- Switch the device off.
- 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.

Visual inspection of the inside of the device for dirt

1. Remove the air filter.
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, have the inside of the device cleaned by a specialist electrical company or by the manufacturer.
5. Put the air filter back in.



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.

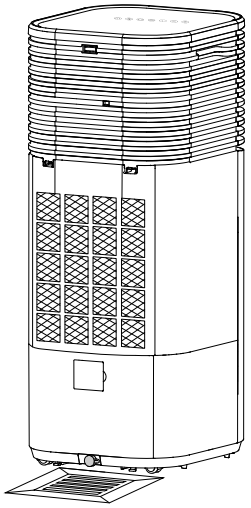
Cleaning the water tank

Notice
The water tank cannot be removed.
Do not attempt to remove the water tank for otherwise the device could be damaged.

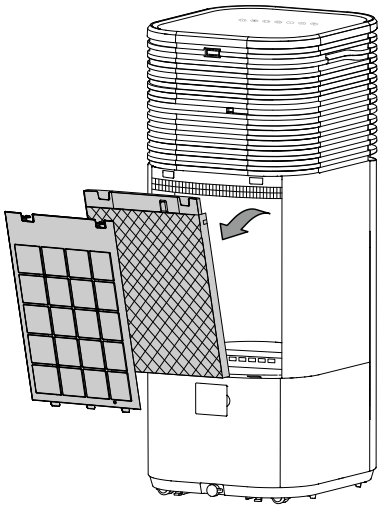
The water tank should be cleaned every 3 days if actively used. Use household vinegar as cleaning/descaling agent. Observe the manufacturer's specifications and hazard warnings of the descaling agent.

Empty and clean the water tank before a longer period of non-use or storage and prior to recommissioning (e.g. if the unit has been stored for several months and is dusty).

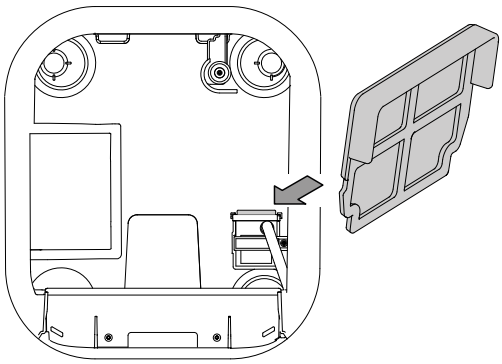
1. Carefully transport or wheel the device to a suitable location for discharging the water (e.g. a drain) or position a suitable collection container underneath the water outlet.
2. Open the water outlet and drain the water.



3. Remove the air filter and the evaporation filter from the device.



4. Remove the protective filter of the submerged pump from the device. Pay attention not to damage the protective filter with your fingers. For this purpose, only touch the plastic sides of the filter.



5. Clean the protective filter using a slightly damp, soft, lint-free cloth. If the filter is heavily contaminated, clean it with warm water mixed with a neutral cleaning agent.
6. Thoroughly rinse the water tank with household vinegar (descaling agent).
7. Then rinse the water tank with water.
8. Dry the inside of the water tank with a lint-free cloth.
9. Reinsert the protective filter into the device.
10. Fill the water tank with fresh drinking water if you want to continue operation (see chapter Adding water).

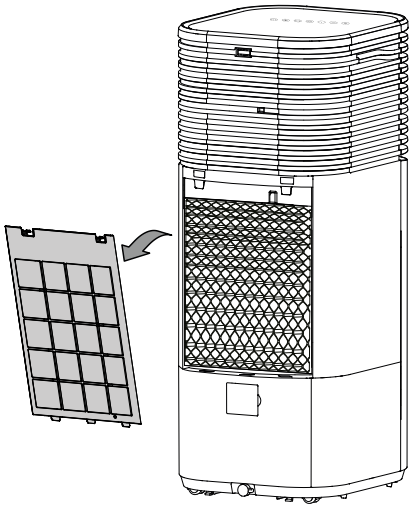
Cleaning the air filter

The air filter has to be cleaned as soon as it is dirty. This is brought to light e.g. by a reduced capacity (see chapter Errors and faults).

Warning

Ensure that the air filter is not worn or damaged. The corners and edges of the air filter must not be deformed or rounded. Before reinserting the air filter, make sure that it is undamaged and dry!

1. Remove the air filter from the device.



2. Clean the filter using a slightly damp, soft, lint-free cloth. If the air filter is heavily contaminated, clean it with warm water mixed with a neutral cleaning agent.
3. Allow the filter to dry completely. Do not insert a wet filter into the device!
4. Reinsert the air filter into the device.

Filter reset

After an operating time of 200 hours, the *Filter reset* LED (22) will flash red.

After cleaning, press the *Humidity* button (28) for 2 seconds to reset the status.

Replacing the evaporation filter

Notice

When set to air cooling mode, the device must not be operated without the evaporation filter, otherwise *cooling* will not work.

Notice

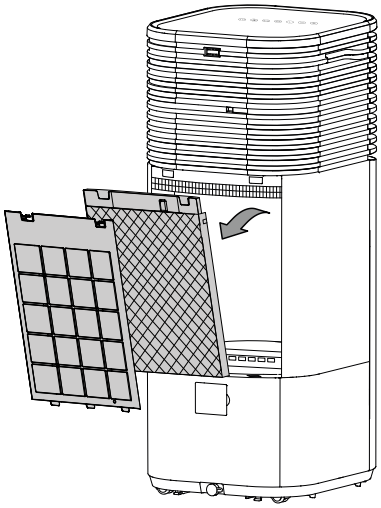
Do not operate the device without an inserted air filter! Without the air filter, the inside of the device will be heavily contaminated. This could reduce the performance and result in damage to the device.

The evaporation filter should be replaced in case of heavy soiling.

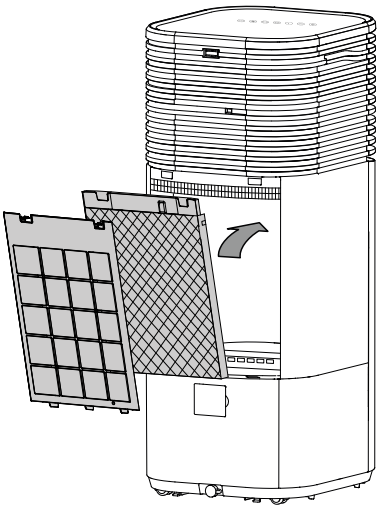
In standard operation, the interval for replacing the evaporation filter is approx. 1 year.

Allow the evaporation filter to dry before removing it from the device.

1. Remove the air filter and the evaporation filter from the device.



2. Dispose of used evaporation filter according to the national regulations.
3. Insert the new evaporation filter into the device.
4. Reinsert the air filter into the device.



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	**PAE 49 / PAE 50**
Max. evaporation performance	2000 ml/h
Air flow rate	12,6 m^3/min (756 m^3/h)
Mains connection	220-240 V ~ 50 Hz
Nominal current consumption	0.6 A
Power consumption	145 W
Sound pressure level (at a distance of 1 m)	63 dB(A)
Water tank capacity	20 l
Weight	12 kg
Dimensions (length x width x height)	390 x 350 x 880 (mm)
Minimum distance to walls and other objects: top (A): rear (B): sides (C): front (D):	 100 cm 100 cm 100 cm 100 cm
Remote control batteries	CR2025 - 3 V

Information requirements for comfort fans according to Regulation (EU) No 206/2012:

PAE 49/50

Parameter	Symbol	Value	Unit
Maximum fan flow rate	F	12.6	m^3/min
Fan power input	P	134.5	W
Service value	SV	0.09	(m^3/min)/W
Standby mode power consumption	P_{SB}	0.31	W
Fan sound power level	L_{WA}	71.1	dB(A)
Maximum air velocity	c	8.3	m/s
Measurement standard for service value	EN ISO 5801:2017+A1:2025		
Contact details for obtaining more information	Trotec GmbH · Grebbener Straße 7 · 52525 Heinsberg		

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 (e.g. remote controls) 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.



This icon with the crossed-out wheeled bin indicates that batteries or accumulators must not be disposed of with household waste at the end of their life. If the device contains batteries or accumulators that contain mercury, cadmium or lead, the respective chemical symbol (Hg, Cd or Pb) is shown below the icon of the crossed-out wheeled bin. To prevent environmental pollution, do not carelessly leave batteries or electrical and electronic equipment containing batteries in public areas. In the European Union, batteries and accumulators must be returned to a designated collection point in accordance with REGULATION (EU) 2023/1542 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 12 July 2023 concerning batteries and waste batteries. Remove batteries/accumulators and dispose of them separately according to the relevant legal requirements.

Only for United Kingdom

According to Waste Electrical and Electronic Equipment Regulations 2013 (SI 2013/3113) (as amended) and the Waste Batteries and Accumulators Regulations 2009 (SI 2009/890) (as amended), devices that are no longer usable must be collected separately and disposed of in an environmentally friendly manner.

Trotec GmbH

Grebbener Str. 7
52525 Heinsberg
Germany
+49 2452 962-0
+49 2452 962-200

online@trotec.com
www.trotec.com