

TTP 5 E / TTP 10 E

EN

OPERATING MANUAL
DEHUMIDIFIER

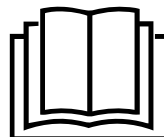


 **TROTEC**

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You can download the current version of the operating manual and the EU declaration of conformity via the following link:



TTP 5 E



<https://hub.trotec.com/?id=41289>

TTP 10 E



<https://hub.trotec.com/?id=41290>

Notes regarding the operating manual

Symbols



Warning of electrical voltage

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



Warning

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



Caution

This signal word indicates a hazard with a low risk level which, if not avoided, can result in minor or moderate injury.

Note

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 operating manual must be observed.

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 made 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 aggressive atmosphere.
- Only put up the device in an upright, stable position on firm ground.
- 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.
- Never insert any objects or limbs into the device.
- Do not cover or transport the device during operation.

- Do not sit on the device.
- This appliance is not a toy. Keep away from children and animals. Do not leave the device unattended 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.
- Before carrying out maintenance, care or repair work on the device, remove the mains plug from the mains socket. Hold onto the mains plug while doing so.
- Switch the device off and disconnect the power cable from the mains socket when the device is not in use.
- Do not under any circumstances use the device if you detect damages on the mains plug or power cable. If the power cable is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard. Defective power cables pose a serious health risk!
- When positioning the device, observe the minimum distances from walls and other objects as well as the storage and operating conditions specified in the Technical annex.
- Make sure that the air inlet and outlet are not obstructed.
- Make sure that the suction side is kept free of dirt and loose objects.
- 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 condensation tank or drain hose.
- Discharge the collected condensate before transport and storage. Do not drink it. Health hazard!

Intended use

Only use the device for keeping the room air in spatially limited areas dry whilst adhering to the technical data.

Intended use includes keeping the following dry:

- small living spaces
- closets and shoe cabinets
- bookshelves
- pantries and storerooms
- small, windowless bathrooms etc.

Foreseeable misuse

The device is not intended for industrial use.

- Do not place the device on wet or flooded ground.
- Do not place any objects, e.g. clothing, on the device.
- Do not use the device out of doors.
- Do not make any unauthorised modifications, alterations or structural changes to the device.
- Any use other than the intended use is regarded as a reasonably foreseeable misuse.

Personnel qualifications

People who use this device must:

- be aware of the dangers that occur when working with electric devices in damp areas.
- have read and understood the operating manual, especially the Safety chapter.

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

Residual risks



Warning of electrical voltage

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



Warning of electrical voltage

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



Warning

Dangers can occur at the device when it is used by untrained people in an unprofessional or improper way! Observe the personnel qualifications!



Warning

The device is not a toy and does not belong in the hands of children.



Warning

Risk of suffocation!
Do not leave the packaging lying around. Children may use it as a dangerous toy.

Note

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 could reduce the performance and result in damage to the device.

Behaviour in the event of an emergency

1. Switch the device off.
2. In an emergency, disconnect the device from the mains feed-in: Hold onto the mains plug while pulling the power cable out of the mains socket.
3. Do not reconnect a defective device to the mains.

Information about the device

Device description

The device uses the principle of condensation and a Peltier element to dehumidify small rooms in a silent manner.

The fan sucks in damp room air through the air inlet. The room air is cooled at the cold side of the Peltier element until it is below the dew point. Water vapour contained in the room air precipitates as condensation or rime. The dehumidified, cooled air is blown out. The drier air thus conditioned mixes with the air in the room. The humidity in the room where the device is positioned is reduced as air constantly circulates through the device.

Depending on the air temperature and the relative humidity, the condensed water drops into the condensation tank. The latter is fitted with a float to measure the filling level.

If the maximum level of the condensation tank is reached or if the float is not correctly positioned, the indicator LED will light up orange. The device switches off. The LED only goes out again once the emptied condensation tank is reinserted.

The functioning of the two devices is identical, they only differ in terms of their technical data.

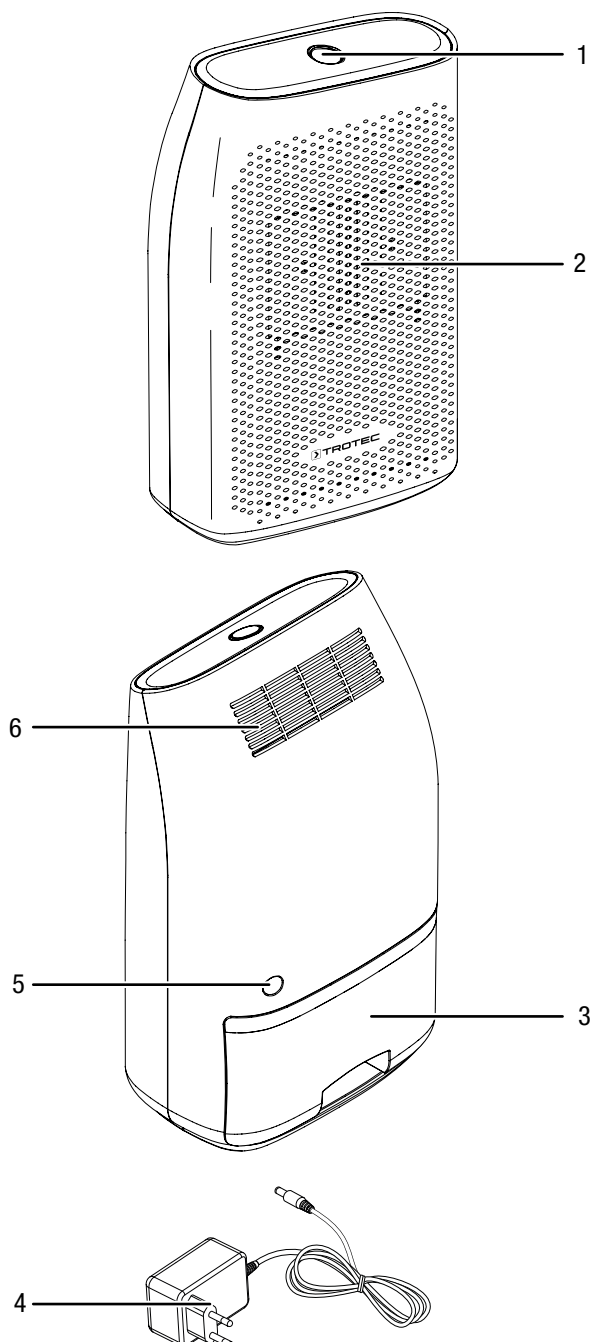


Info

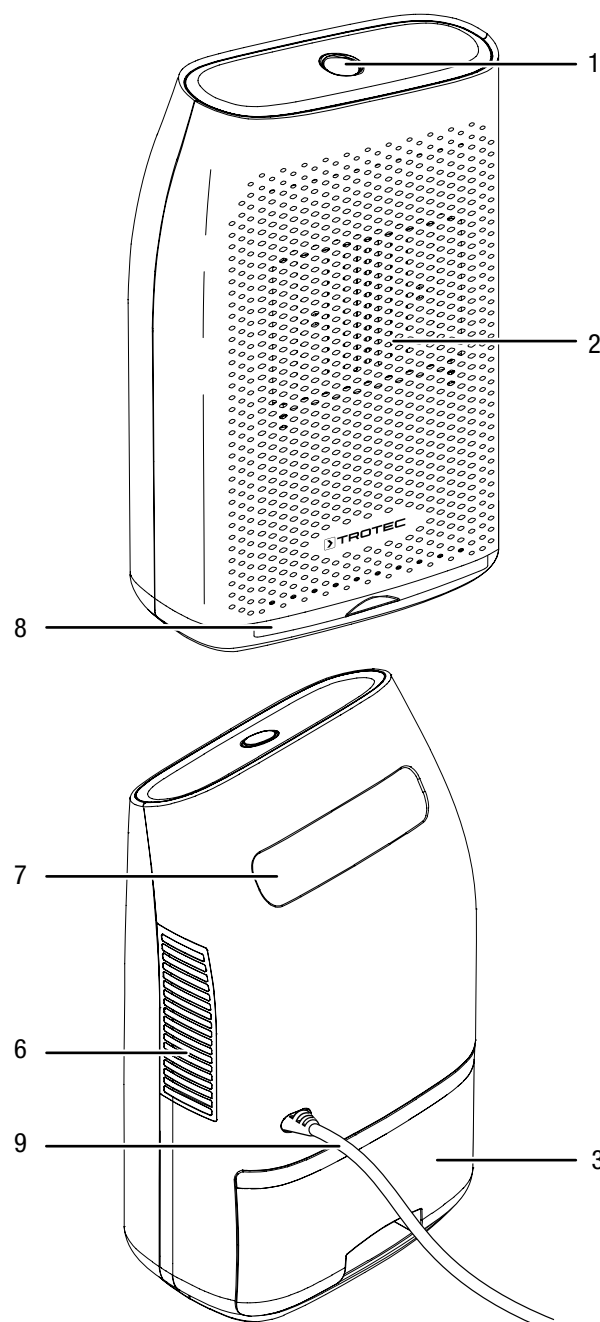
The TTP 10 E is additionally equipped with a removable air filter. Instructions and notes regarding the air filter only refer to the TTP 10 E.

Device depiction

TTP 5 E



TTP 10 E



No.	Designation
1	On/off switch (LED-illuminated)
2	Air inlet
3	Condensation tank
4	Power adapter
5	Mains connection
6	Air outlet
7	Transport handle
8	Air filter (TTP 10 E only)
9	Power cable

Transport and storage

Note

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

Note the information regarding transport and storage of the device.

Transport

Before transporting the device, observe the following:

- Switch the device off.
- Hold onto the mains plug while pulling the power cable out of the mains socket.
- Drain the remaining condensate from the device.
- Do not use the power cable to drag the device.

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:

- Drain the remaining condensate from the device.
- Hold onto the mains plug while pulling the power cable out of the mains socket.

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

- dry and protected from frost and heat
- with a cover to protect it from invasive dust, if necessary
- Place no further devices or objects on top of the device to prevent it from being damaged.

Assembly and installation

Scope of delivery

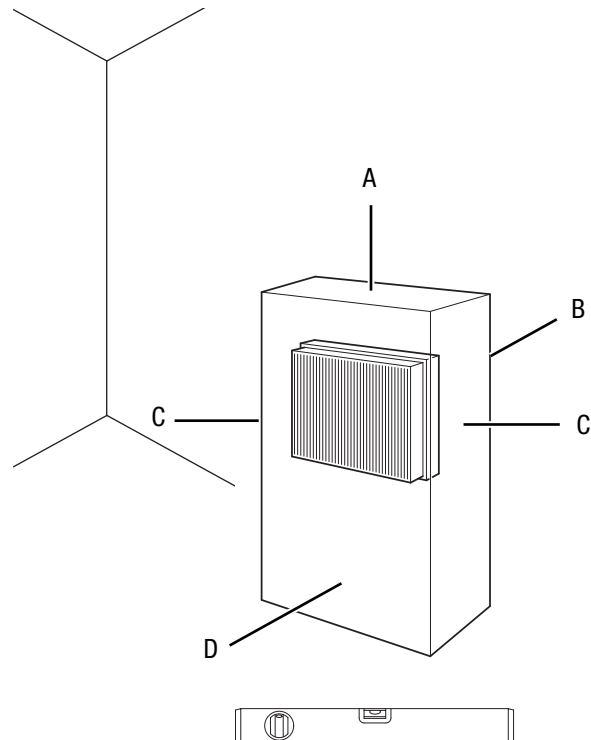
- 1 x Device
- 1 x Power adapter (TTP 5 E)
- 1 x Power cable (TTP 10 E)
- 1 x Power cable (TTP 10 E)
- 1 x Manual

Unpacking the device

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.
- Only put up the device in an upright, stable position on firm ground.
- 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.
- When positioning the device, keep a sufficient distance to heat sources.
- Make sure that no curtains or other objects interfere with the air flow.
- When positioning the device, particularly in wet areas, secure it locally with an RCD (residual current device) which complies with the respective regulations.

Inserting the air filter

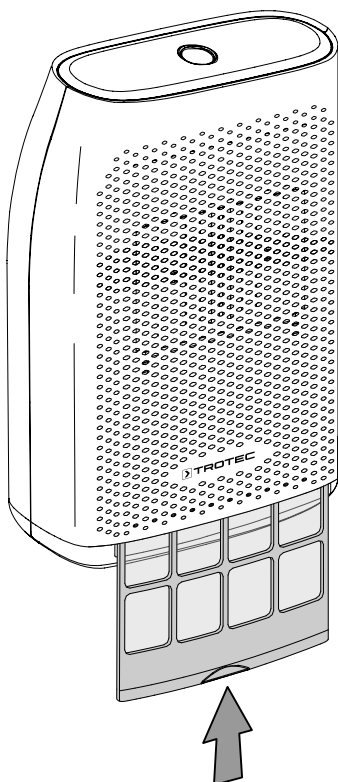
Note

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 could reduce the performance and result in damage to the device.

- Make sure that the air filter is installed before switching the device on.

TTP 10 E



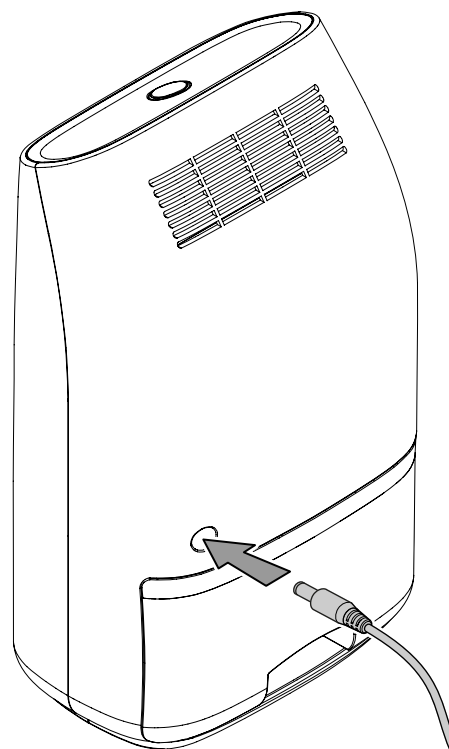
Inserting the condensation tank

- Ensure that the float inside the condensation tank is inserted correctly.
- Ensure that the condensation tank is empty and inserted correctly.

Connecting the power cable / power adapter

- TTP 5 E: Plug the cable's device plug into the device's mains connection.

TTP 5 E

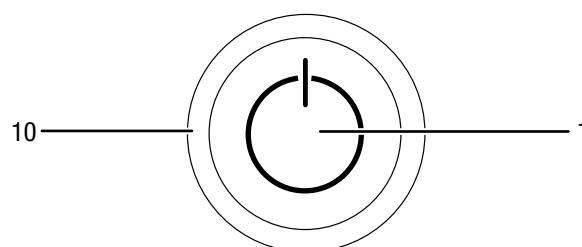


- Plug the power adapter or power cable into a properly fused mains socket.

Operation

- Avoid open doors and windows.
- After being switched on, the device operates fully automatically.

Operating elements



No.	Designation	Meaning
1	On/off switch	For switching the device on or off
10	Indicator LED	Is illuminated in green when the device is ready for operation. Is illuminated in orange when the water tank is full or the float is not positioned correctly.

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.



Warning of electrical voltage

Do not remove the condensation tank from the device during operation.

The device keeps running even if the condensation tank is not inserted!

Otherwise, water may drop from the device uncontrollably and damage the device. There is a risk of electric shock!

1. Press the on/off switch (1).
 - ⇒ The indicator LED (10) is illuminated in green.
 - ⇒ The fan switches on.
 - ⇒ The device starts to dehumidify.

Shutdown



Warning of electrical voltage

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.
- Empty the condensation tank, if need be.
- Clean the device according to the Maintenance chapter.
- Store the device according to the Transport and storage chapter.

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.

The device does not start:

- Check the power connection.
- Check the power cable and mains plug for damage.
- Check the on-site fusing.
- Check the condensation tank for correct seating.
- Check whether the condensation tank is full. The indicator LED (10) is illuminated in orange.
- Check the room temperature. Observe the device's permissible ambient temperature according to the technical data.
- Wait for 10 minutes before restarting the device. If the device is not starting, have the electrics checked by a specialist company or by Trotec.

The device is running, but there is no formation of condensate:

- Check the float in the condensation tank for dirt. If necessary, clean the condensation tank. The float must be able to move freely.
- Check the room temperature. Observe the device's permissible ambient temperature according to the technical data.
- Ensure that the relative room humidity complies with the technical data.
- Check the air filter for dirt. If necessary, clean or replace the air filter.

The device is loud or vibrates:

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

Condensate is leaking:

- Check the device for leaks.

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

- Check the air inlets and air filters for dirt. Remove external dirt.
- From the outside, check the device for dirt (see chapter Maintenance). If the inside of the device is dirty, have it cleaned by a specialist company or by Trotec.

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 Trotec for repair.

Maintenance

Activities required before starting maintenance



Warning of electrical voltage

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

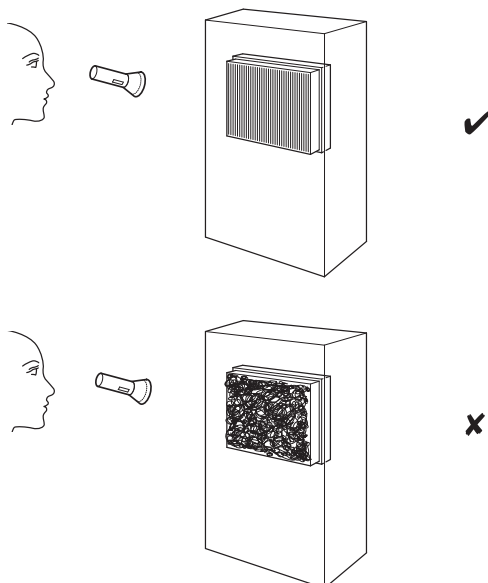
- Switch the device off.
- Hold onto the mains plug while pulling the power cable out of the mains socket.

Cleaning the housing

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

Visual inspection of the inside of the device for dirt

1. Remove the air 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 company or by Trotec.
5. Put the air filter back in.



Cleaning the air filter

The following maintenance task only needs to be carried out for the device TTP 10 E.

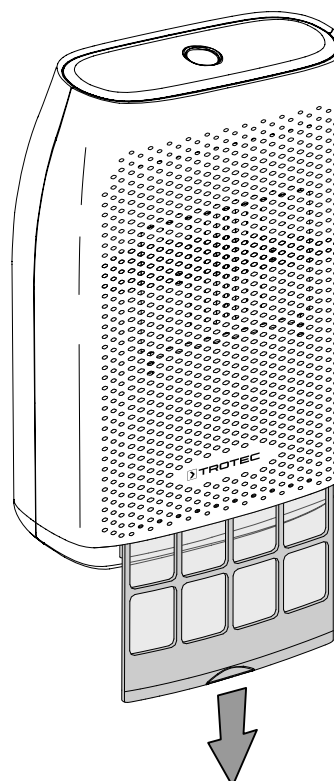
Note

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!

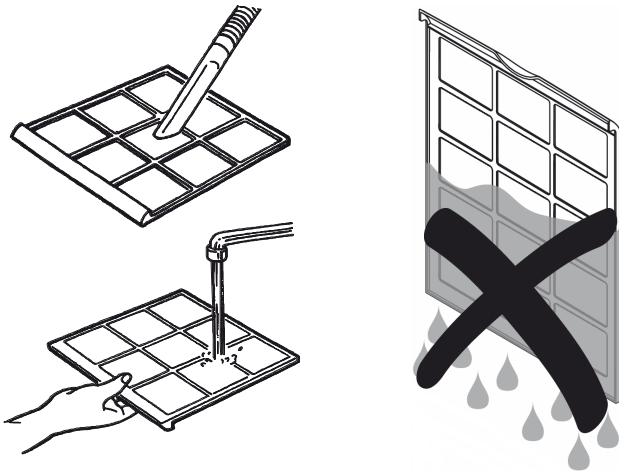
The air filter has to be cleaned as soon as it is dirty. This is brought to light e.g. by a reduced capacity (see chapter Errors and faults).

1. Remove the air filter from the device.

TTP 10 E

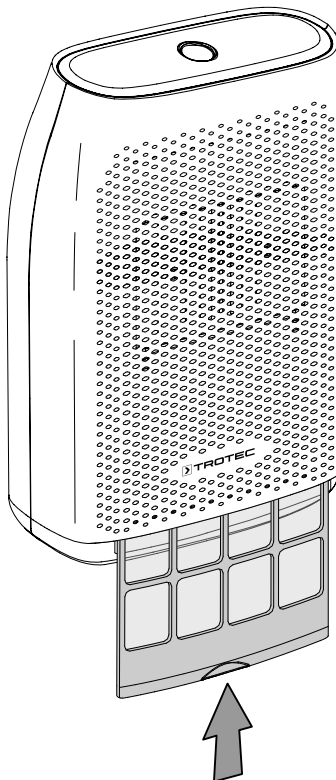


2. Clean the filter using a slightly damp, soft, lint-free cloth. If the filter is heavily contaminated, clean it with warm water mixed with a neutral cleaning agent.



3. Allow the filter to dry completely. Do not insert a wet filter into the device!
4. Reinsert the air filter into the device.

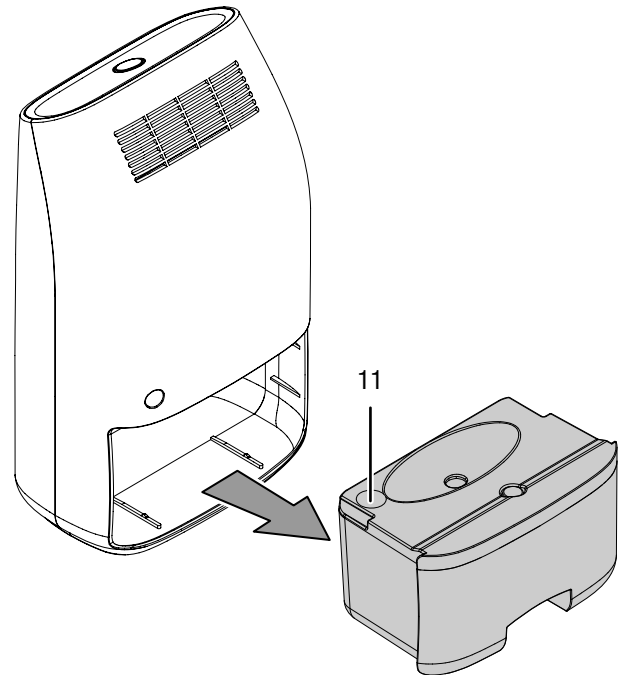
TTP 10 E



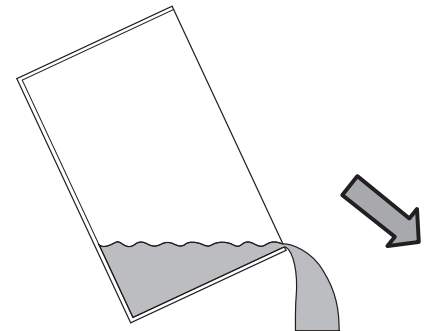
Emptying the condensation tank

If the condensation tank is full, the indicator LED (10) lights up orange. The device switches off.

1. Take the condensation tank out of the device.

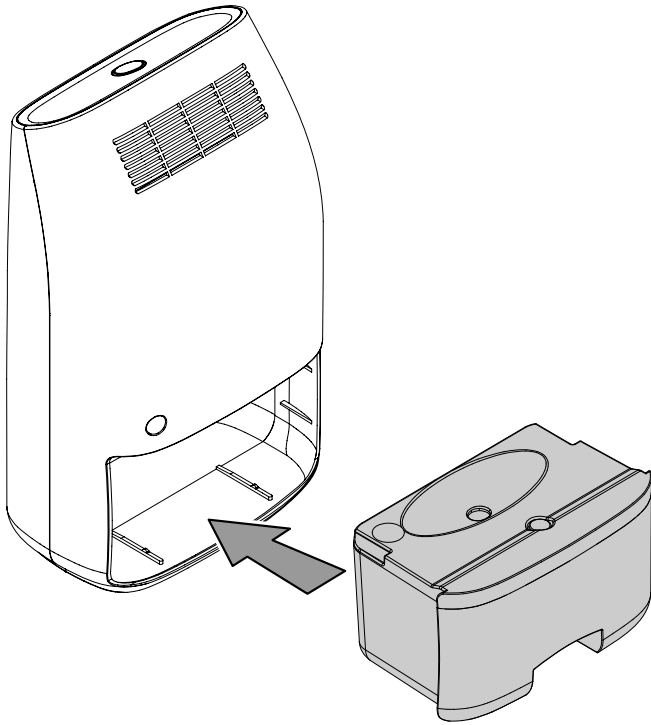


2. Remove the rubber stopper (11) from the condensation tank.
3. Empty the condensation tank over a drain or sink.



4. Put the rubber stopper (11) back in.
5. Rinse the tank with clear water. Clean the tank regularly using a mild cleaning agent (no detergent!).

6. Refit the condensation tank into the device.
Make sure not to damage the float when inserting or removing the condensation tank.
In doing so, make sure that the float is positioned correctly.
In doing so, make sure that the condensation tank is inserted correctly, for otherwise the device cannot be switched back on.



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	TTP 5 E	TTP 10 E
Dehumidification performance @ 30 °C and 80 % RH	0.3 l / 24 h	0.75 l / 24 h
Operating range (temperature)	10 °C to 50 °C	10 °C to 50 °C
Mains connection	100 – 240 V ~ 50 / 60 Hz	100 – 240 V ~ 50 / 60 Hz
Power consumption, max.	23 W	40 W
Water tank	0.7 l	2 l
Sound pressure level (1 m distance)	35 dB(A)	45 dB(A)
Dimensions (depth x width x height)	100 x 160 x 260 mm	130 x 220 x 370 mm
Minimum distance to walls and other objects	top (A): 10 cm rear (B): 10 cm sides (C): 10 cm front (D): 10 cm	10 cm 10 cm 10 cm 10 cm
Weight	1.5 kg	2 kg

Disposal



The icon with the crossed-out waste bin on waste electrical or electronic equipment stipulates that this equipment must not be disposed of with the household waste at the end of its life. 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.

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