

AIROZON® SUPERCRAKER

EN

ORIGINAL INSTRUCTIONS
OZONE GENERATOR



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Notes regarding the instructions


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 instructions must be observed.



Wear a protective mask

Information marked with this symbol indicates that you should wear breathing protection.

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



Airozon®
Supercracker



<https://hub.trotec.com/?id=39949>

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.

- 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.
- Do not operate the device near open fire or gas appliances.
- 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.
- Do not expose the device to liquids as it is not protected against splash water.
- Never insert any objects or limbs into the device.
- Do not cover the device during operation.
- Do not sit on the device.
- This appliance is not a toy. Keep away from children and animals.
- Check accessories and connection parts for possible damage prior to every use of the device. Do not use any defective devices or device parts.
- Ensure that all electric cables outside of the device are protected from damage (e.g. caused by animals). Never use the device if electric cables or the power connection are damaged!

- The mains connection must correspond to the specifications in the Technical annex.
- Insert the mains plug into a properly fused mains socket.
- Observe the technical data when selecting extensions to the power cable. Completely unroll the extension cable. Avoid electrical overload.
- Before carrying out maintenance, care or repair work on the device, remove the mains plug from the mains socket. Hold onto the mains plug while doing so.
- Switch the device off and disconnect the power cable from the mains socket when the device is not in use.
- Do not under any circumstances use the device if you detect damages on the mains plug or power cable. If the 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 there are no loose items or dirt located in the immediate surroundings of air inlet and air outlet.
- Do not expose the device to heat or direct sunlight.
- Never put the device into operation whilst the cover is not completely closed.
- Make sure that the suction side is kept free of dirt and loose objects.

Specific safety warnings for the operation of ozone generators

The device uses ozone for air purification. It is a gas that – due to its oxidative characteristics – can cause severe health damage if inhaled. Direct exposure to and intake of ozone is toxic for humans, animals and plants. For this reason the following safety measures must be observed by all means:

- Once the device has been started as well as during the cleaning process there must be neither people nor animals in the room to be cleaned. Also remove any plants.
- Leave the room immediately once the device has been started.
- After completion of the cleaning process you must wait until the ozone concentration has dropped below a value of 0.2 mg/m³ before entering the room again. Check the present concentration by means of an ozone meter available for purchase from Trotec (OZ-ONE) or in a specialist shop. Wear a respirator mask with ozone filter.
- Make sure to seal off all openings of the room to prevent ozone from escaping to the environment.
- Clearly indicate a room's ozone treatment for others and make sure that the room concerned cannot be accessed. Suitable warning signs may be obtained from Trotec.
- Ensure a sufficient supply of fresh air and/or an appropriate air exhaust in the treated rooms once the process has been completed.

Intended use

Only use the device in closed rooms whilst adhering to the technical data and safety instructions.

The device may only be used in the commercial sector and in the industry, especially

- for the professional elimination of odours after fire or water damages,
- for the sterilization of rooms (killing viruses, bacteria, mould and other microorganisms).

The device may only be used by especially trained expert staff.

Foreseeable misuse

- Never immerse the device in water.
- Do not use the device in wet rooms (e.g. bathrooms or laundry rooms).
- Do not use the device as private individual or at home / in a domestic environment.
- 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.
- Any use other than the intended use is regarded as a reasonably foreseeable misuse.
- Any unauthorised modifications, alterations or structural changes to the device are forbidden.

Personnel qualifications

People who use this device must:

- have been trained in handling the device and be aware of the dangers that occur when working with the oxidising agent ozone.
- have read and understood the instructions, especially the Safety chapter.

Residual risks



Warning of electrical voltage

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



Warning of electrical voltage

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



Warning of electrical voltage

Risk of electric shock!
Risk of an electric shock if the device comes into contact with water!



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.



Warning

Risk of injury caused by inhalation of ozone!

The following symptoms could be indicative of poisoning or an irritation caused by ozone:

- eye irritations – conjunctivitis, stinging and watering eyes
- strong urge to cough
- shortness of breath – chest tightness
- pain while inhaling
- dizziness, light-headedness
- headache
- feeling of faintness

Exit the room to be cleaned immediately after the device has been switched on.

If there is a case of emergency and you have to enter the room to be cleaned, always wear a respiratory protective mask with an ozone filter and ensure sufficient fresh air supply. Only enter the room to be cleaned in cases of emergency whilst the air purification is in progress.

Should you experience one or more of the above symptoms relating to the use of the odour neutraliser, seek medical treatment immediately!

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.

Note

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

Behaviour in the event of an emergency

1. 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.
2. In an emergency only enter the room to be cleaned wearing a respirator mask fitted with ozone filter and ensure a sufficient supply of fresh air.
3. Do not reconnect a defective device to the mains.

Information about the device

Device description

Ozone is a very powerful oxidising agent with the ability to eliminate bacteria, viruses, gases and toxins. The oxidising agent ozone breaks down the existing molecules. The ozone is generated by the device in an electrical discharge procedure and emitted to the room air at a high concentration. You can use the device to eliminate e.g. pathogens, but also cooking smells or musty odours as well as burnt smell. The applied method is similar to the natural air purification during a thunderstorm.

Operating principle

The ozone is generated through high-voltage discharge. The high voltage creates extremely high electric field strengths in the discharge unit. This leads to numerous brief barrier discharges between the electrodes.

The integrated fan sucks in ambient air through the air filter at the rear of the device, leads it past the double electrodes of the ozone unit and then emits the now ozone-containing air back into the room.

No chemicals are required for the ozone generation, hence this process causes no damage to the environment. When the device has been switched off and the cleaning process has been completed, the remaining ozone in the room air will decompose into normal divalent oxygen (O₂).

Formation, perception and distribution of ozone

The word ozone has become an integral part of our vocabulary and the colourless, toxic gas is part of our everyday life. The irritant effect ozone can have on our eyes and airways has been common knowledge for a few years now, especially since the increasing ozone volume can be attributed to the so-called summer smog. Ozone is further generated during certain industrial processes.

Ozone (chemical symbol: O₃) consists of three oxygen atoms. Ozone is created wherever oxygen molecules (O₂) in the air are turned into atoms (O) due to electrical energy or UV radiation. It is these atoms that can react with the oxygen molecules to form ozone (O₃).

In case of a high solar irradiation ozone forms involving other air pollutants. The nitrogen oxides (NO_x) from automobiles, domestic heating systems, power plants and the industry play a major role in this.

Depending on the concentration, ozone can have a very intense smell similar to chlorine, hay or carnations, odours that can be smelled in mountain areas. By nature, the human nose is already vastly superior to most measuring devices: It detects the gas with a concentration of as little as 0.01 ml/m³. What this means when compared to other irritant gases is that we humans can already detect even minor quantities of ozone which gives us the opportunity to take corresponding precautions to avoid any hazard caused by the gas in due time. However, our nose also has a crucial disadvantage compared with measuring devices: the so-called *habituation effect*. After only a brief period of time spent in an ozone-polluted environment we become so acclimated to the smell that we go noseblind.

The impact of ozone on human beings

The sensitivity to ozone depends on its concentration and varies for each individual. Ozone is an oxidative irritant gas, affecting eyes, nose, pharynx and lungs even at low concentrations. The mucous membranes are unable to stop it seeing as ozone is hardly soluble in water. As a result, the gas can be carried deeper into the lungs than other irritant gases. Concentrations of 200 µg/mm³ and higher can cause the following symptoms:

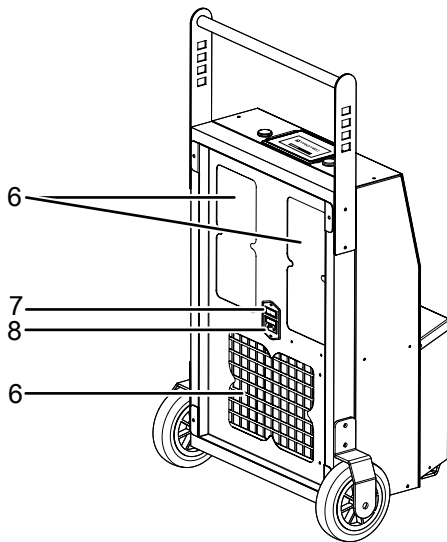
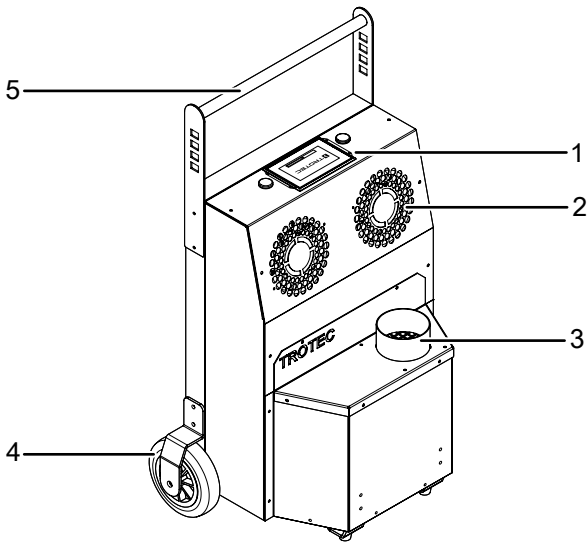
- irritations of the mucous membranes, eyes and the respiratory tract
- hoarseness, coughs and headaches
- feeling of constriction behind the sternum
- reduced physical performance

The main damage is caused in the respiratory tract which can lead to breathing difficulties and a reduced respiratory volume. Late complications can include nosebleeds, a bronchitis (or tracheitis) or a pulmonary oedema. But the transition from irritations without lasting consequences to long-term changes with pathological significance is very smooth.

Ozone threshold and target values

The information threshold for ozone concentrations amounts to 180 µg/m³ (1-hour value) and the alert threshold is 240 µg/m³ (1-hour value). From an ozone concentration of 180 µg/m³ the media starts to inform the public of the recommended behaviour. Furthermore, a target value has been specified to protect human health: Averaged over three years, the daily maximum 8-hour value of 120 µg/m³ must not be exceeded on more than 25 days per calendar year. In the long run, the maximum average values determined over an 8-hour period are not supposed to exceed 120 µg/m³ altogether. To protect the vegetation, a target value of 18,000 µg/m³ applies for a 5-year average. This is the summed up difference between the hourly average values above 80 µg/m³ measured during the daylight hours (8 a.m. to 8 p.m.) in the main growing season between May and July and 80 µg/m³.

Device depiction



No.	Designation
1	Control panel
2	Air outlet
3	Air/ozon outlet
4	Wheels
5	Transport handle
6	Air inlet with air filter
7	On/off switch
8	Power cable connection

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.

Note

Device may be damaged by vibration.
 Excessive vibrations can result in electrode damage.
 To prevent this, always protect the odour neutraliser from vibrations or slipping during transport.

Transport

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

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.
- If the device was previously in use, wait until the end of the calculated regeneration period (see Shutdown chapter) before transporting the device.
- Do not use the power cable to drag the device.
- Only wheel the device on firm and level surfaces.
- During transport, protect the device against shifting and vibrations to avoid electrode damage.

After transporting the device, proceed as follows:

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

Storage

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

- Store the device in a dry location and protected from frost and heat.
- If required, use a cover to protect the device from invasive dust.

Assembly and start-up

Scope of delivery

- 1 x device
- 1 x Power cable
- 1 x Transport handle
- 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.

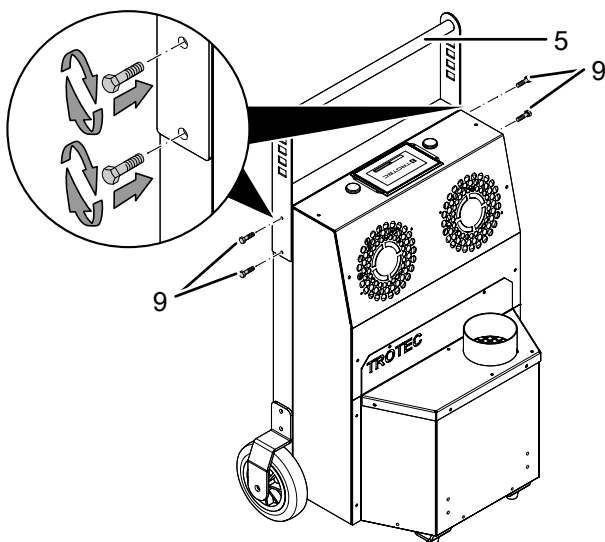
Assembly

Use tools suitable for the intended task.

Mounting the transport handle

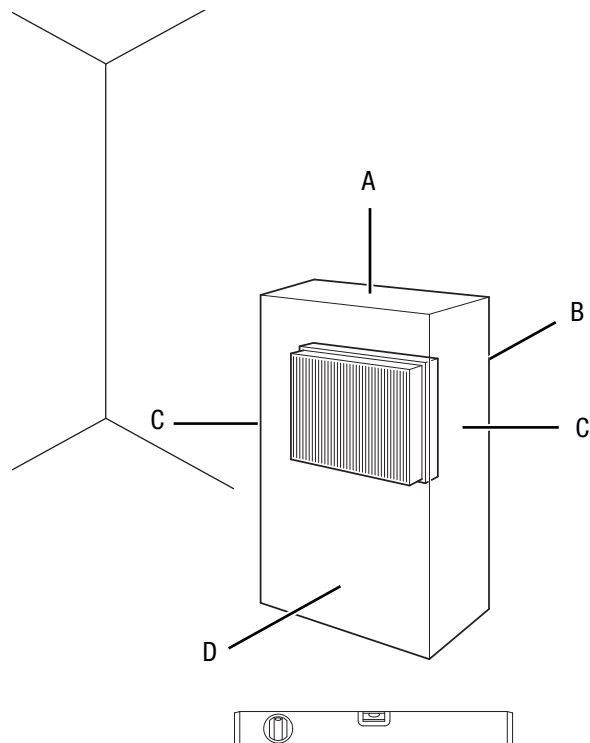
Prior to initial start-up, the transport handle must be attached to the device. To do so, please proceed as follows:

1. Remove the two screws (9) on each side of the device.
2. Mount the transport handle (5) on both device sides using the screws (9).



Start-up

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



- Before starting the device, check the condition of the power cable. If there are doubts as to their sound condition, contact the customer service.
- Only put up the device in an upright, stable position on firm ground.
- Make sure the device is only placed on firm, dry and vibration-free ground.
- Position the device as close as possible to the centre of the room to ensure an optimum air circulation.
- When positioning the device, keep a sufficient distance to heat sources.
- Make sure that no curtains or other objects interfere with the air flow.
- Do not position the device near inflammable substances and gases.
- Make sure that the air inlet and outlet are not obstructed.
- Make sure that the device is protected from spray water.
- 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.
- The room temperature should be approx. 5 °C higher than the usual room temperature.

Connecting the power cable

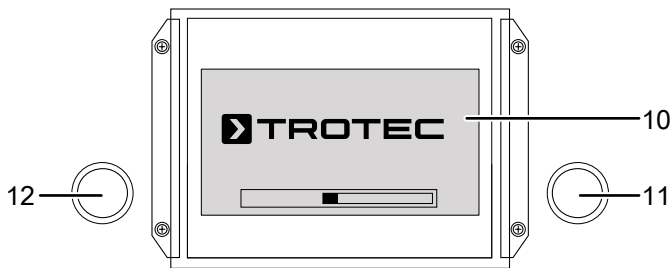
- Insert the mains plug into a properly secured mains socket located outside of the room to be cleaned. This enables you to switch the device off in case of an emergency without having to access the room.

Operation

Note

Avoid open doors and windows.

Operating elements



No.	Designation	Meaning
10	Touchscreen	Indication and carrying out settings in programme sections
11	Fault indicator	Illuminated in the event of a fault
12	Operation indicator	Illuminated during ongoing operation.

Language settings

At initial start-up, the language of the user interface can be selected.

German, English, Italian, French and Spanish are provided for selection.

Note

The setting is saved for further operation, also after the device has been switched on and off. It can be changed via the flag icon in the main menu, though.

Switch-on / switch-off



Warning

Risk of injury caused by ozone!
Exit the room as soon as you have switched the device on so as to prevent contact with ozone.

1. Switch the device on by setting the on/off switch (7) to position **I**.
2. Set the desired operating mode (see the section on "Setting the operating mode").
⇒ The process of ozone generation starts approx. 75 seconds after the treatment has been started.
3. To switch the device off, set the on/off switch (7) to **0**.

Setting the operating mode

The following operating modes can be set on the device:

- Disinfection
- Manual
- Service

This procedure allows you to use the following navigation elements:

- Use the *Back* button to return to the previous menu item.
- Use the *Next* button to navigate to the subsequent menu item.
- Use the *Reset* button to delete the settings carried out and to reach the main menu.

The following applies when you select the "Service" operating mode:

- Pressing the *Main menu* button deletes the settings carried out and takes you to the main menu.

Disinfection

This operating mode is the standard programme for treating rooms. You can select from different default values regarding room size and treatment duration. This way, the room treatment can be adapted to the respective conditions. Proceed as follows to select or enter the parameters:

1. Press the *Disinfection* button to select the "Disinfection" operating mode.
2. Press the *Next* button to reach the next menu item. Here you can adjust the room size. The following options are available:
 - 0 to 30 m³
 - between 30 and 60 m³
 - between 60 and 100 m³
 - above 100 m³
3. Press the *Next* button to call the *Treatment duration* menu item. The following options are available:
 - *short*
 - *medium*
 - *long*
4. Press the *Next* button to have a summary of you settings displayed.
5. Press the *Start* button to start the treatment process.
⇒ The process of ozone generation starts approx. 75 seconds after the treatment has been started.
6. Press the *Stop* button if you wish to abort the treatment process.

The actual treatment duration depends on the adjusted room size. This results in the following time values:

Room size	Treatment duration (min)		
	Short	Medium	Long
< 30 m ³	15	40	180
30-60 m ³	30	60	360
60-100 m ³	60	180	720
> 100 m ³	240	480	720

Apart from these predefined settings based on the room size, you can make individual time settings. To do so, please proceed as follows:

1. Press the *Manual setting* button in the *Treatment duration* menu, in this way calling the *Manual time setting* menu item.
2. Enter the desired time in hours. The adjustable range is between 15 minutes and 12 hours. Use the *DEL* button to delete individual digits and *CLR* to delete the whole entry.
3. Press the *Enter* button.
 - ⇒ The *Treatment duration* menu is shown again.
4. Press the *Next* button to continue.
 - ⇒ A summary of your settings is displayed.
5. Press the *Start* button to start the treatment process.
 - ⇒ The process of ozone generation starts approx. 75 seconds after the treatment has been started.
6. Press the *Stop* button if you wish to abort the treatment process.

Manual

This operating mode includes different special functions, e.g. for the operation in air ducts. This mode is **not** suitable for normal room treatment.

This operating mode allows you to choose from three predefined timespans or adjust an individual treatment duration instead.

After the room treatment has been completed there will be no room air regeneration. This means that the ozone concentration remains at a high level after the completion of the treatment cycle. For this reason, the treated rooms (e.g. tunnels) must not be accessed.

The manual mode can only be used with an activation code. If you need this code, please contact the Trotec customer service. The entry of the code can be corrected using *CLR* and *DEL*. By pressing the *Enter* button, you confirm the entry. If an entry is incorrect, the main menu will be displayed again.

Service

In this operating mode you can manage service intervals, call information and carry out a device self-test. The following functions are available:

- Indication of operating hours
- Indication of remaining time until changing the regeneration filter
- Entering the password for deleting the maintenance interval indication
- Description of the self-test sequence

Carrying out odour neutralisation / air purification



Warning



Risk of injury caused by inhalation of ozone!

The following symptoms could be indicative of poisoning or an irritation caused by ozone:

- eye irritations – conjunctivitis, stinging and watering eyes
- strong urge to cough
- shortness of breath – chest tightness
- pain while inhaling
- dizziness, light-headedness
- headache
- feeling of faintness

Exit the room to be cleaned immediately after the device has been switched on.

If there is a case of emergency and you have to enter the room to be cleaned, always wear a respiratory protective mask with an ozone filter and ensure sufficient fresh air supply. Only enter the room to be cleaned in cases of emergency whilst the air purification is in progress.

Should you experience one or more of the above symptoms relating to the use of the odour neutraliser, seek medical treatment immediately!

Please proceed as follows to perform an air purification:

1. Seal off all openings of the room to be cleaned. It must be accomplished in a way to prevent ozone from escaping to the environment.
2. Attach warnings that indicate the presence of high ozone concentrations and the related hazards.
3. Make sure that neither humans nor animals are situated in the room to be cleaned.
4. Position the device in the centre of the room.
5. Connect the power cable and insert the mains plug into a properly secured mains socket located outside of the room to be cleaned.
6. Switch the device on by setting the on/off switch (7) to position **I**.
7. Using the menu control, adjust the respective parameters as described before (room size, treatment duration).

8. Press the *Start* button on the display (10) to start the room treatment. The green operating display lights up. After 75 seconds have passed, the device starts with the ozone generation. **Use this time to exit the room as quickly as possible!**
 - ⇒ The ozone generator will then operate until the end of the set cleaning period. During the last 15 seconds, an alarm sound will be emitted. Afterwards, the device will switch off automatically.

Operating parameters

The duration of the cleaning process can differ depending on the conditions. Factors to be taken into consideration include:

- Type of exposure
- Intensity
- Room size and temperature
- Material composition of the object to be treated
- Exposure time and depth up to which the material has been affected

If an odour elimination is carried out in an unheated room which will later be used at higher temperatures, there is a risk of subsequent evaporation. For this reason the room temperature should always be approx. 5 °C higher during the purification process as compared to the later usage temperature.

The values below are to serve as a general reference for the determination of the treatment duration:

Type of odour	Treatment duration given in min	
	Room size < 30 m ³	Room size 30 – 60 m ³
Car treatment	40	80
Animal, cooking and waste smells	40	80
Smell of burning / chemicals	80	120
Musty odour after water damage	80	120
Smell of burning and secondary effects of organic substances	80 – 350	120 – 700
Amines / amides (ureas), open-chain hydrocarbon compounds (e.g. butyric acid)	360	720
Amino acids / proteins with nitrogen and sulphur (vomit)	360	720

Please contact the Trotec customer service if you are using the device for disinfection purposes.

Decommissioning of the “Disinfection” operating mode

If the room has been treated using the “Disinfection” operating mode, the room air has been regenerated with a special programme (regeneration cycle).

Upon completion of the treatment process, an alarm signal is emitted and the green operating display disappears. The display will show the message *The cycle has been completed.*

Upon completion of the treatment, the value for the ozone concentration should be lower than the limit value of 0.2 mg/m³ so that accessing the room is possible. However, always determine the present ozone concentration for reasons of safety prior to accessing the room!

Decommissioning of the “Manual” operating mode



Warning

Risk of injury caused by ozone!
Have especially trained staff check the ozone concentration before entering the room and permitting others to access it.

The device was designed to switch off automatically once the set time has elapsed. A corresponding function was integrated by way of a timer.

A certain waiting period must be observed between the device switch-off and accessing the treated room.

Within this safety period the remaining ozone decomposes (naturally) into divalent oxygen (O₂). Afterwards the ozone concentration should have fallen to below the stipulated MAC value (maximum allowable concentration) of 0.2 mg/m³. Ozone has an average half-life of approx. 30 min. You can use the following empirical values as reference for the regeneration:

Operating time	Regeneration period
0.5 hours	0.5 hours
1 hour	0.5 hours
5 hours	2.5 hours

At the end of the waiting period the room must be aired out extensively. Open doors and windows. Take the corresponding protective measures (see Safety chapter).

Emergency shut-off

If it is necessary to switch off the device whilst air purification is in progress, you must not switch it off by actuating the on/off switch for reasons of safety. In that event, the mains plug located outside of the treated room should be disconnected from the power supply.

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
Ozone filter Airozon® Supercracker	7.710.000.396
Airozon® Supercracker filter mats	7.710.000.395
Ozone warning sign	ZZ7000275
Professional extension cable 20 m / 230 V / 2.5 mm ²	7.333.000.376

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.
- Switch the fuse back on or have a defective fuse replaced by a specialist company.
- Check the safety switch.
- Wait for 10 minutes before restarting the device. If the device is not starting, have the electricians checked by a specialist company or by Trotec.

The device is very loud:

- Position the device on a dry, firm and level surface.
- Check whether the fan and its bearing for damage. If you detect any damage, have the device checked by a certified specialist workshop.

The odour nuisance persists after the completed purification process with the same intensity:

- Have the device checked by a certified specialist workshop.

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.

- Make sure that the device is switched off.
- Hold onto the mains plug while pulling the power cable out of the mains socket.



Warning

Risk of injury caused by inhalation of ozone!

After the device has stopped operating, wait until the end of the calculated regeneration period (see Shutdown chapter) to make sure that the ozone concentration has fallen below the stipulated value before performing maintenance and cleaning work.

Care and maintenance must be performed on a regular basis to ensure the proper functioning and failure-free operation of the device.

The type and frequency of the maintenance tasks fundamentally depends on the operating environment as well as on the duration and type of use.

In the course of using the device, dust and moisture can accumulate in or on the components which may compromise functionality and efficiency.

In rooms with a high volume of dust and dirt or after fire damage restorations (high moisture level) you should already check the need for maintenance after only a few applications.

In dry surroundings e.g. hotels or as part of car valeting one can assume a maintenance rate of several months.

Criteria for determining the maintenance interval

Device operation takes place:

- frequently and several hours at a time
- on many days per month
- in excessively dirty surroundings
- in humid rooms

Regardless of the described operating conditions you should perform maintenance work if one or more of the following signs become apparent:

- increased noise level during operation of the fan
- heavily contaminated air filter
- dirty electrode (recognizable by: The hissing sound produced during ozone generation dies away.)

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

In addition to the inspection of the device and its components for proper condition you should also ensure thorough cleaning as part of the regular maintenance activities. To do so, please proceed as described below.

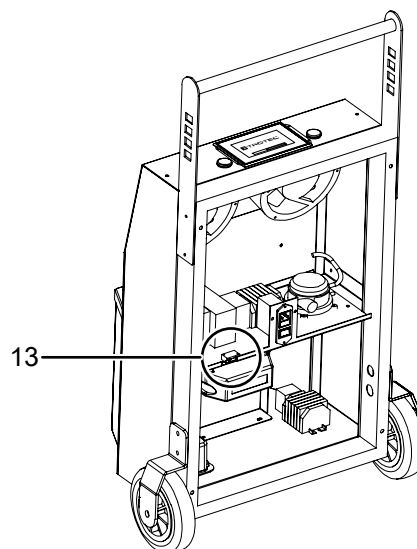
Cleaning the air filter

1. Remove the filter boxes at the rear of the device.
2. Remove the air filter.
3. Clean the air filter using soapsuds.
4. Allow the air filter to dry.
5. Reinsert the air filter when dry.

The air filter should be replaced after approx. 2-3 times in order to prevent the device from contaminations.

Cleaning the interior

1. Remove the screws at the housing.
2. Carefully remove the rear wall.
3. Clean the device with compressed air or a damp cloth. Do not use any solvent-containing or aggressive cleaning agents. Make sure that no water can enter or remain inside the housing.
4. Make sure that the safety switch (13) is in the closed position, then mount the rear wall back on the device.



Cleaning the electrodes

Note

Device damage due to missing electrodes! Never operate the odour neutraliser without inserted electrodes.

The electrodes may be cleaned whilst built-in.

1. Prior to cleaning check the electrodes for cracks or breakage. Damaged components must not be used!
2. Clean the electrodes using a (lint-free) dry or damp cloth. Especially remove dust and other residues from the intermediate spaces. Make sure that no fluff or fibres remain after cleaning.
3. Do not use the device before the electrodes have dried completely.

Maintaining the ozone recycling filter

In order to guarantee a proper functioning of the regeneration function, replace the ozone recycling filter after approx. 300 operating hours. At this point, we additionally recommend a comprehensive inspection and maintenance of the entire device.

Once the lifetime of the recycling filter (300 hours) has expired, a warning appears after switching the device on with the instruction to replace the filter. This warning can be deleted by entering a code after the filter has been replaced. Upon delivery of a replacement filter, this code will be provided by Trotec.

It is possible to view the remaining useful life before the timespan has expired:

1. Call the Service mode.
2. Press the *Service* button to call the submenu. In this menu, the total runtime of the device can be viewed. The *Reset filter* menu item indicates the remaining useful life of the ozone recycling filter.



Info

You also have the option to have the ozone recycling filter replaced and full maintenance of the device carried out by the Trotec customer service.

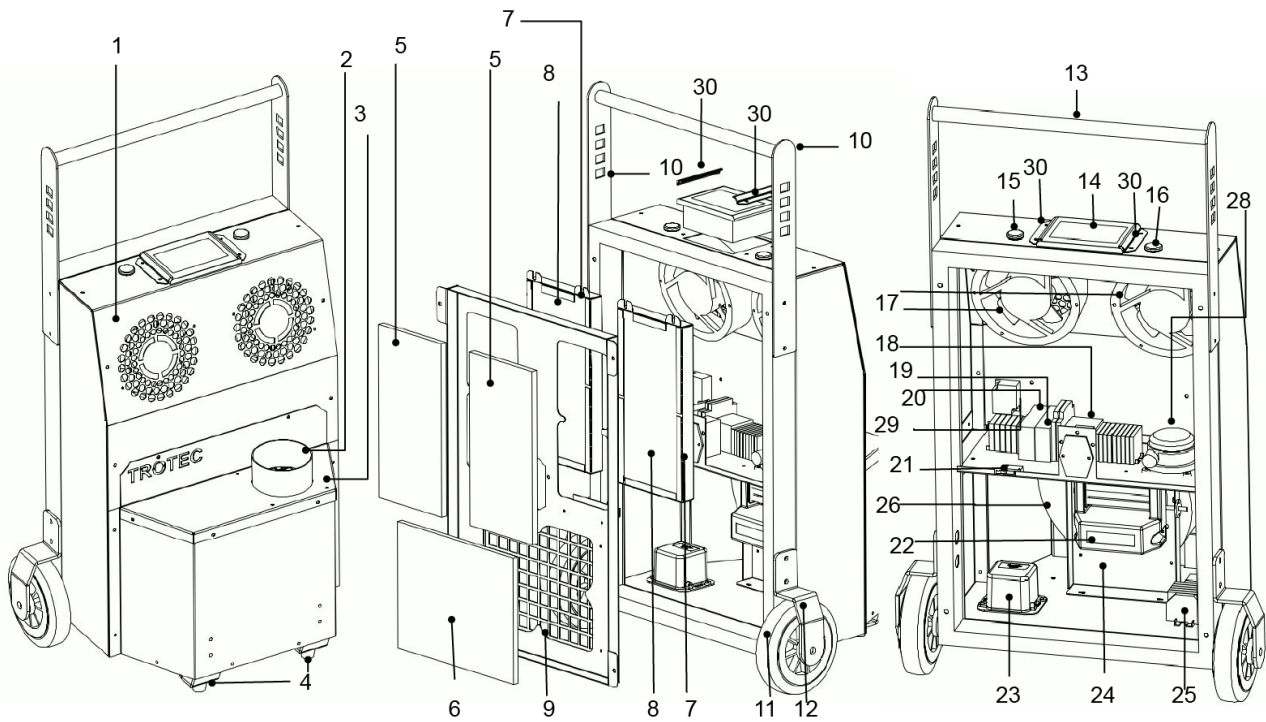
Technical annex

Technical data

Parameter	Value
Model	Airozon® Supercracker
Electric connection	230 V
Frequency	50 Hz
Max. nominal current	1.5 A
Recommended fusing	10 A
Max. power input	300 W
Type of protection	IPX0
Ozone output	approx. 10,000 mg/h
Air flow rate	approx. 500 m ³ /h
Operating range (temperature)	10 to 40 °C
Sound pressure level (distance of 3 m)	< 70 dB(A)
Dimensions (length x width x height)	400 x 600 x 890 mm
Weight	20 kg
Minimum distance to walls and other objects:	
	top (A): 50 cm
	rear (B): 50 cm
	At the sides (C): 50 cm
	front (D): 50 cm

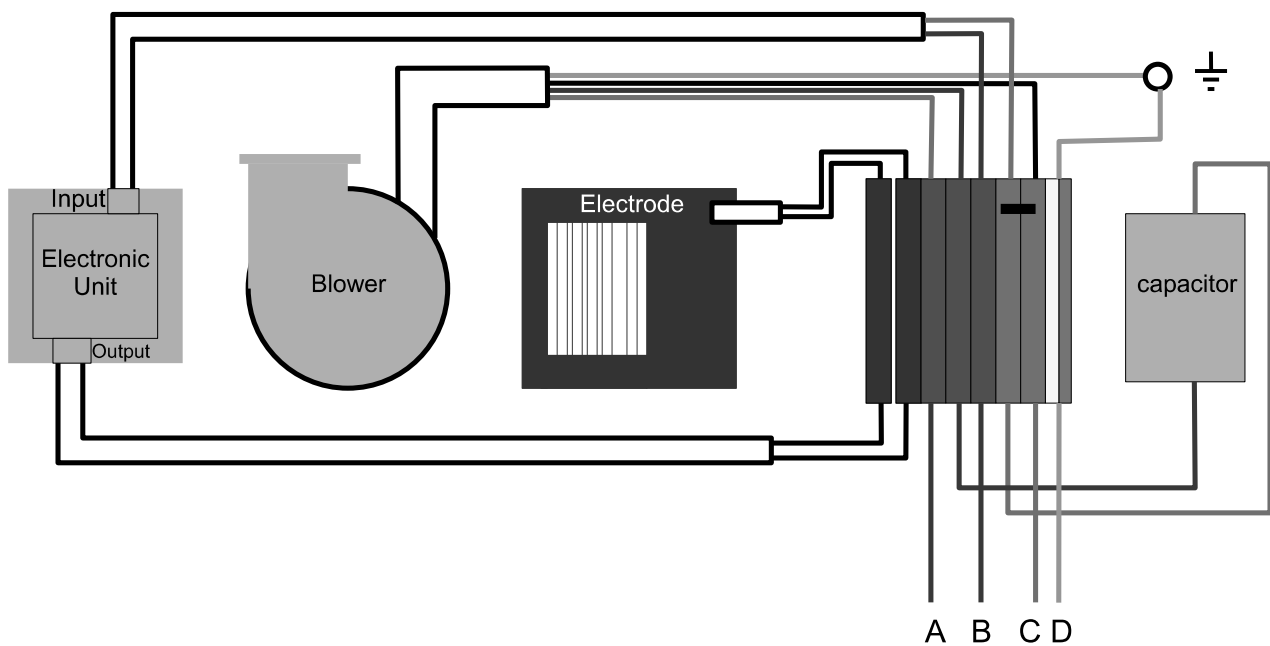
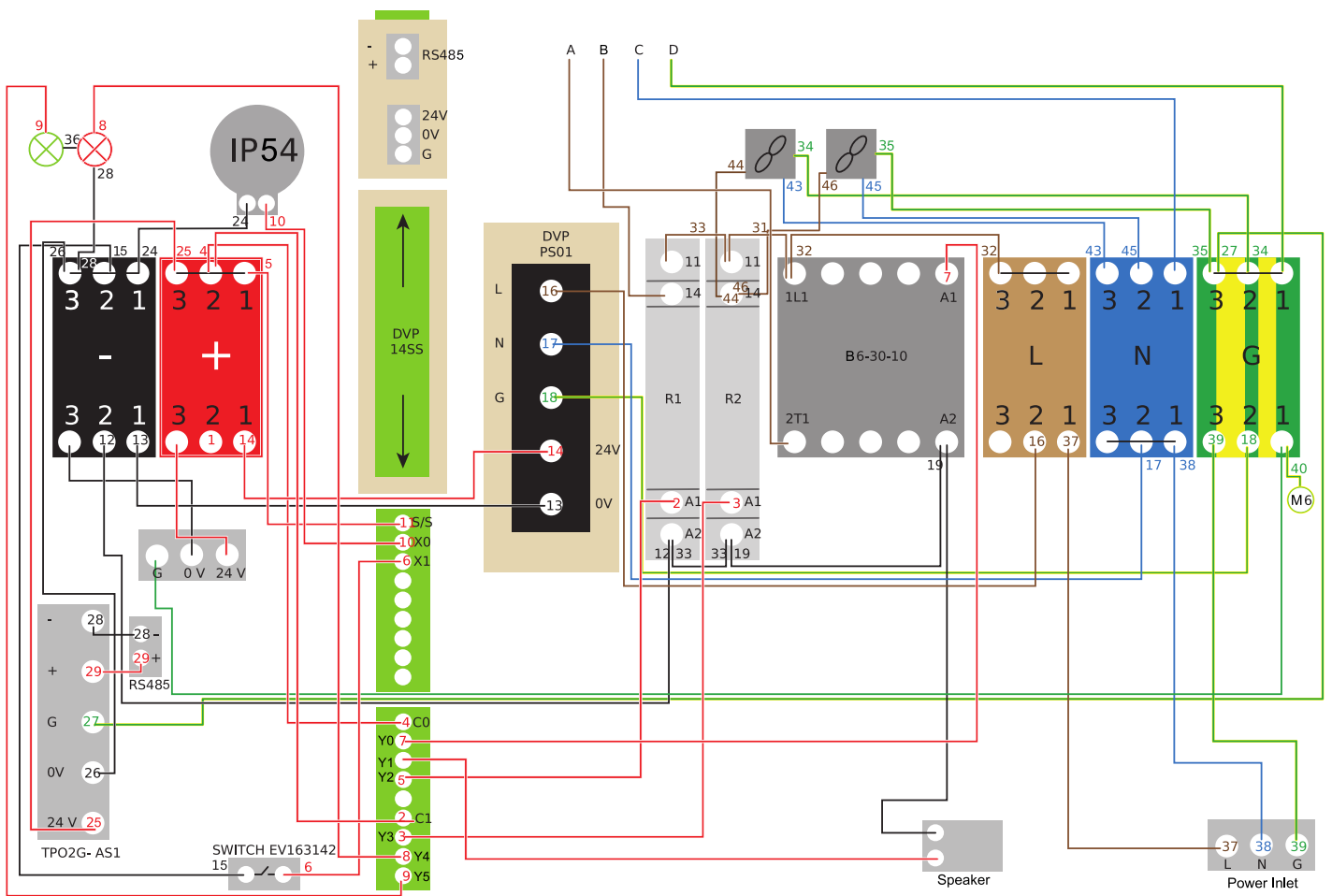
Overview and list of spare parts

Note: The position numbers of the spare parts differ from those describing the positions of the components mentioned in these instructions.



Item	Designation	Item	Designation
1	Front panel	16	Operation indicator
2	Ozone exhaust pipe	17	Axial fans
3	Lid for ozone air outlet	18	Protection
4	Rubber foot, front	19	Transformer
5	Upper air filter elements	20	PLC controller
6	Lower air filter element	21	Safety switch
7	Mounting frame for ozone recycling filter	22	Electrodes
8	Ozone recycling filter	23	Power unit
9	Rear wall	24	Electrode holder
10	Handle	25	Condenser
11	Wheel	26	Fan
12	Wheel support	27	On/off switch Mains connection
13	Handle	28	Air gauge
14	Operating element	29	Horn
15	Fault indicator	30	Mounting bracket for operating element

Circuit diagram



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 waste bin on waste electrical or electronic equipment is taken from Directive 2012/19/EU. It states that this device 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.

Declaration of conformity

Declaration of conformity in accordance with the EC Machinery Directive 2006/42/EC, Annex II, Part 1, Section A

We – Trotec GmbH – declare in sole responsibility that the product designated below was developed, constructed and produced in compliance with the requirements of the EC Machinery Directive in the version 2006/42/EC.

Product model / Product: Airozon® Supercracker

Product type: Ozone generator

Year of manufacture as of: 2021

Relevant EU directives:

- 2002/44/EC
- 2014/30/EU
- 92/58/EEC

Applied harmonised standards:

- EN ISO 12100:2011
- EN ISO 14123-1:2016
- EN ISO 14123-1:2015
- EN 12198-1:2000+A1:2008

Applied national standards and technical specifications:

- EN ISO 11200:2014/A1:2010
- ZH 1/262 issued by the BG Chemie

Manufacturer and name of the authorised representative of the technical documentation:

Trotec GmbH

Grebberer Straße 7, D-52525 Heinsberg

Phone: +49 2452 962-400

E-mail: info@trotec.de

Place and date of issue:

Heinsberg, 27.10.2022

Joachim Ludwig, Managing Director

Trotec GmbH

Grebener Str. 7
D-52525 Heinsberg

☎ +49 2452 962-400

☎ +49 2452 962-200

✉ info@trotec.com

www.trotec.com