

USER MANUAL

Ozone generator
OZ100 / OZ200 / OZ400



The OZ series is a compact, robust ozone generator for odor removal in houses, apartments, garbage rooms, wardrobes, basements, cabins, cars, boats, caravans, trucks, motorhomes, workwear, hunting clothes, odors in textiles, odors from animals etc.

Examples of odors that can be removed with ozone:

Smoke odor, waste odor, diesel odor, sewage odor, food odor, mold odor, dog odor, fish odor, barn odor, basement odor, refrigerator odor, trapped odor, paint odor, solvent odor and more.

Ozone treatment:

Important! The ozone generator should only be used in confined spaces, where no humans or animals are present.

1. When ozonating confined spaces, it is important to keep all windows, doors and vents closed. If necessary, you can tape around doors, windows and vents to avoid gas leakage to other parts of the building.
2. For best results, it is recommended that the room in question is cleaned thoroughly before the ozone treatment starts.
3. The ozone generator is placed on a stable surface, or can be mounted on a wall, preferably a little high up from the floor. By placing the generator above floor level (e.g. 1/2 of the room height - or higher) you get a better distribution of the ozone gas in the room (ozone is a little heavier than air). Make sure that textiles do not overlap (curtains, pillows), as the ozone gas must be able to penetrate to get the full effect.
4. Turn on the machine and check that it produces ozone (without inhaling directly from the air stream flowing out of the machine) - chlorine-like odor and a blue, faint glow from the ceramic element. You will hear that the fan starts and that there is a faint "dure sound" coming from the generator.
5. Leave the room and lock.
6. When the ozone treatment ends, turn off the ozone generator and open windows (or doors) to let in fresh air. Air well. Avoid breathing the ozone gas in the room. Tip: Use an extra-long (earthed) extension cord to connect the generator to a socket near the door you use to enter / exit, to avoid exposure time in the room during ozonation.
7. Leave the room locked and air out for a minimum of 30 minutes. When ozonating, for example, a basement or boat with limited ventilation options, a longer ventilation time is required: 60-90 min. Make sure that no people can enter the room during ventilation.
8. Repeat ozone treatment, if necessary.



READ THE INSTRUCTIONS CAREFULLY BEFORE USING THE OZONE GENERATOR.

This ozone generator produces ozone gas. Ozone gas is toxic and hazardous to human and animal health in concentrations that exceed the OSHA (Occupational Safety and Health Administration) set exposure limits.

During ozone treatment, the ozone concentration may under certain conditions, quickly exceed these set limits. Read section 1 to section 8 on the following pages to perform a safe ozone treatment.

Safety regulations

Check the product before use. The ozone generator must not be used if the appliance, the power cable, or the insulation seems damaged. If in doubt, contact the manufacturer. The generator contains electrical components and must therefore always be placed dry, never to be exposed to excess humidity, water splashes or running water. For all types of service or maintenance, the generator must always be disconnected from power. Ozone gas is toxic, so be aware of recommended room sizes.

Recommended room sizes

Ozone has a characteristic chlorine-like odor. The gas is toxic and will, in high concentrations, irritate the eyes and respiratory tract. The limit value for ozone gas is set at 0.1PPM for exposure up to 8 hours per day, or 0.3PPM for a maximum of 15 minutes. If the generator is used in a room that has a volume of less than 40 m³ and poor ventilation, the ozone concentration may exceed the mentioned limit values. Then it is important to make sure that the room is well ventilated before it can be reoccupied. If people or animals are in a room at the same time as it is ozonated, an ozone sensor must be installed which automatically switches off the power to the ozone generator if the ozone concentration in the room gets too high (above 0.1PPM).

Odor removal – Approach

The generator is placed on a stable surface or hung on a wall (fig. 3) in a dry place, preferably about 1.5 meters above the floor. Check that air supply to the generator and exhaust from the generator remains uncovered / open. Close all windows and valves. Empty the room of people, animals, and live plants.

Connect the generator to power and start the generator with the red main switch (fig. 1). You will hear the fan start and a faint hum from the ceramic item. A green LED will indicate that the generator is producing high voltage (Fig. 1). You can also see through the exhaust grille that the ceramic element gives off a faint blue glare. The odor remediation effect is a function depending on time. The generator can run continuously for a week without any problem. For longer operation, we recommend that you use a simple timer and run the generator at shorter intervals. This will also reduce future need for maintenance.

Service and maintenance

Service-Kit can be ordered through your dealer or manufacturer.

Make sure that the generator is not connected to power before starting work.

Filter: The thin particle filter in front of the fan should be cleaned regularly. The filter cover is only clamped and can be loosened gently with your nails or a small screwdriver. Vacuum and / or wash it in mild soap and dry well before putting it back (fig. 4).

Ceramic element

This is a consumable part. Estimated service life >3500 hours, depending on air quality / humidity. As long as it emits a blue glare, it produces ozone gas. For best effect, we recommend regular cleaning.

Cleaning: Wipe the item with a q-tip or fine cloth dampened with window cleaner or rubbing alcohol (Fig. 5). Wipe with a dry cloth afterwards. The appliance must be completely dry before it can be restarted.

Replacing the ceramic element: Loosen the 4 screws that hold the element. Loosen the quick connectors of the 2 red wires (fig. 6). Release the red wire from the green LED that is attached with 2 cable strips to one of the element's red wires. Fit the new element, remember the 4 spacer sleeves under the element when you fasten the 4 screws carefully. Connect the 2 quick connectors - then fasten one wire from the green LED lamp carefully along one of the element's red wires with 2 new cable strips.

Other components: All other service must be performed by the manufacturer.



Fig.1 – Operating



Fig.2 – Fuse



Fig.3 – Wall Mounting



Fig.4 – Filter Cleaning

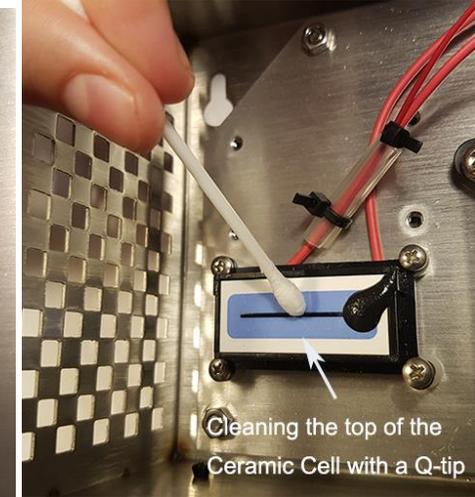


Fig.5 – Cleaning Ceramic Cell

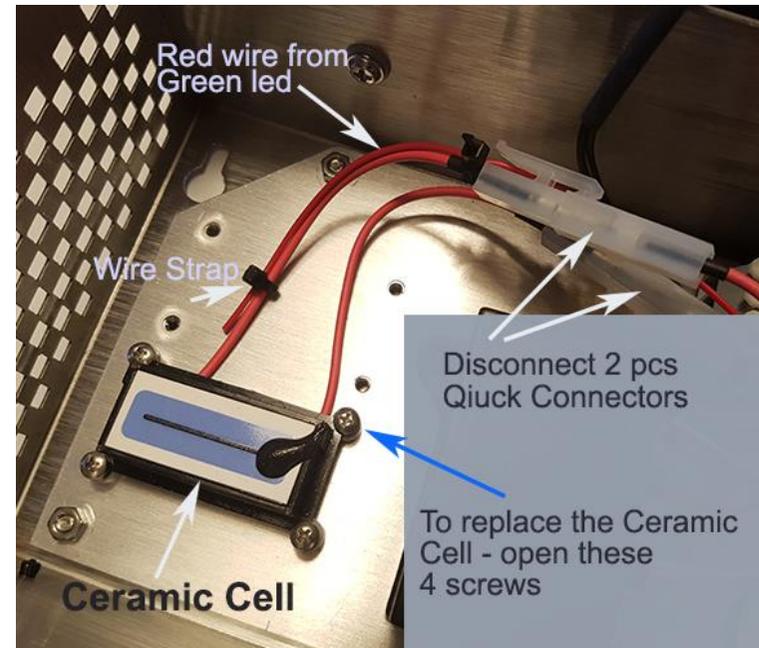


Fig.6 – Replacing the Ceramic Cell

TECHNICAL DATA:

Model	OZ 100	OZ 200	OZ 400
Ozone technology	CD - Ceramic	CD - Ceramic	CD - Ceramic
Ozone production	100 mg/h	200 mg/h	400 mg/h
Fan capacity	50 m ³ /h	50 m ³ /h	50 m ³ /h
Dimensions (WxDxH) mm	235x90x160	235x90x160	235x90x160
Weight	1,4 kg	1,4 kg	1,5 kg
Consumption	15W	15W	20W
Voltage	230V	230V	230V
Power cable	2,0m	2,0m	2,0m
Top Cover	Stainless steel	Stainless steel	Stainless steel
Ambient temp. ¹⁾	0°C to +35°C	0°C to +35°C	0°C to +35°C
Humidity	<60% rH	<60% rH	<60% rH
CE-approved	Yes	Yes	Yes

¹⁾ Ozone production decreases at higher temperature – best temperature is + 15°C

Manufactured by:

