



Ver.1 20/5/2019

The Lion: Portable Ozone Destructor

Manual

Model **ODX-250**

The Lion is an ozone decomposing machine for removing residual ozone from ozone treated rooms in hotels and care homes.

The Lion decomposes Ozone molecules (O₃) to Oxygen molecules (O₂) by enforced catalytic conversion $2\text{O}_3 \rightarrow 3\text{O}_2$ with no byproducts.



Manual

The Lion: Portable Ozone Destructor

Main Specification:

- Input Voltage: 220V; 50Hz.
- Power consumption: 35W.
- Air Circulation Flow-Rate: 520 m³/h.
- Active Destruction Area: 900 cm²
- Destruction Efficiency: 95% per cycle.

- Weight: 4Kg
- Size: 29cm (L) x 28cm (W) x 26cm (H); H with handle: 33cm.
- Main body: Powder coated Aluminum.
- Color: Yellow & Black

Main Features:

- Removable Ozone Filtering Housing for an easy replacement of 4 x Catalytic Ozone Filter units; Each unit of size 150 mm x 150mm and 15mm thickness.
- Mode-Selector Switch between Local (L) and Remote (R) control operation.
- Local control by 6-Position times Selector: 5, 10, 15, 30, 45 and 60 minutes.
- Operation Hours Counter for operation control and periodic maintenance.

Operation instructions:

For removing residual ozone from an ozone treated room, the Lion machine should be placed on the floor at the center of the room and **before** the ozone generation begins!

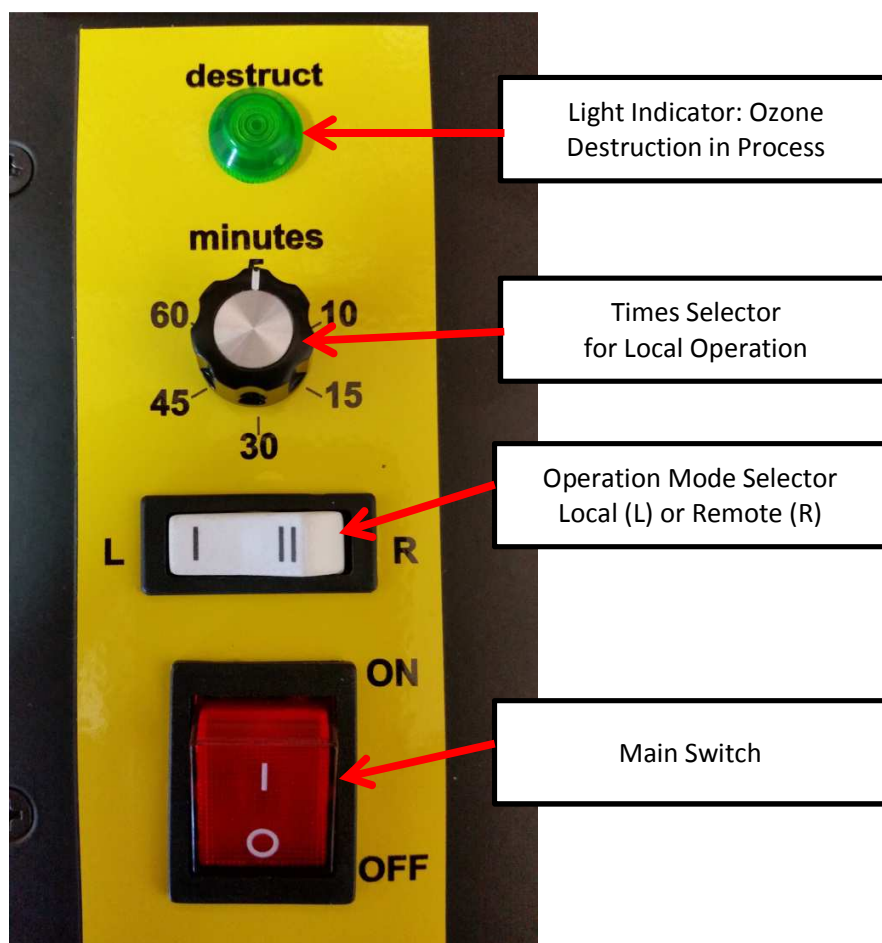
The Lion should be operated from Remote by a Remote Timer, after the ozone generation inside the room was completed.

The Lion machine has two control modes: Remote (R) and Local (L):

In Remote (R) control mode, the Lion machine will Start and Stop its operation according to the time periods which are selected by a Remote Timer.

In Local (L) control mode, the Lion machine will automatically Stop its operation after the operation time - as selected by the 6-position times Selector - has passed.

The Operation Panel:



Operation instructions – continued:

Operation in **Remote (R)** control mode:

1. Switch the Control Mode Selector to "**R**" position (**II**).
2. Set the Remote Timer for the desired operation time.
3. Turn ON the Main Switch (**I**).
4. The Green Light indicator will turn ON: Ozone destruction is now in process.
5. The Lion will Stop its operation according to the time set by the Remote Timer, and the Green Light indicator will turn OFF.
6. Upon completing the operation, turn OFF the Main Switch.

Operation in **Local (L)** control mode:

1. Switch the Control Mode Selector to "**L**" position (**I**).
2. Select the operation time by the 6-position Times Selector: 5, 10, 15, 30, 45 or 60 minutes.
3. Turn ON the Main Switch.
4. The Green Light indicator will turn ON: Ozone destruction is now in process.
5. The Lion will automatically Stop its operation according to the time set by the Local Timer, and the Green Light indicator will turn OFF.
6. Upon completing the operation, turn OFF the main switch.

Periodic Maintenance:

The lion machine should be maintained periodically as follows:

- The dust filter at the back side of the machine should be replaced every 3 months or after 200 hours of operation – whichever comes first.
- The 4 ozone filter units should be replaced every 18 months or after 1,200 hours of operation - whichever comes first.

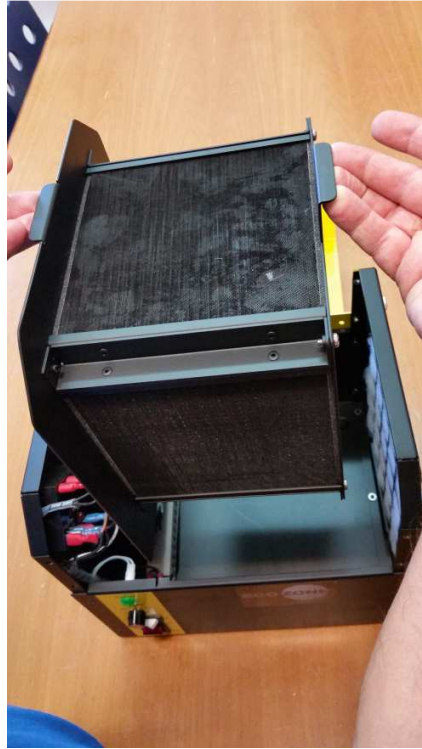
Replacement of the ozone filter units:

Instructions for replacing the 4 catalytic ozone filters inside the Lion machine – see also demonstrating pictures below:

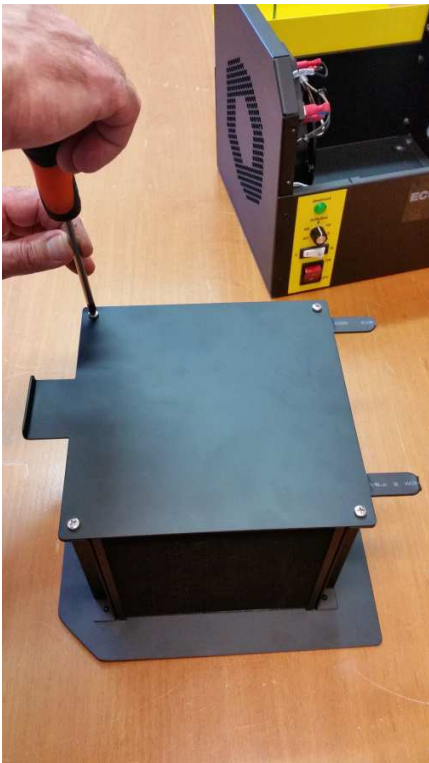
1. Open 4 screws on both sides of the upper (yellow) cover of the Lion machine.
2. Remove the upper cover and place it aside the Lion machine.
3. Take out the ozone filters Housing and place it on a table.
4. Open 4 screws of the sealing-plate of the ozone filter Housing.
5. Pull out the used 4 ozone filter units.
6. Gently slide in the 4 new ozone filter units.
Caution: The ozone filters are very soft and can easily be damaged!
7. Close the ozone filter Housing by the sealing-plate with its 4 screws.
8. Insert the ozone filters Housing through the two leading slits in the machine side walls and place it back inside on its stands.
9. Place the upper cover and re-screw the screws on its both sides.



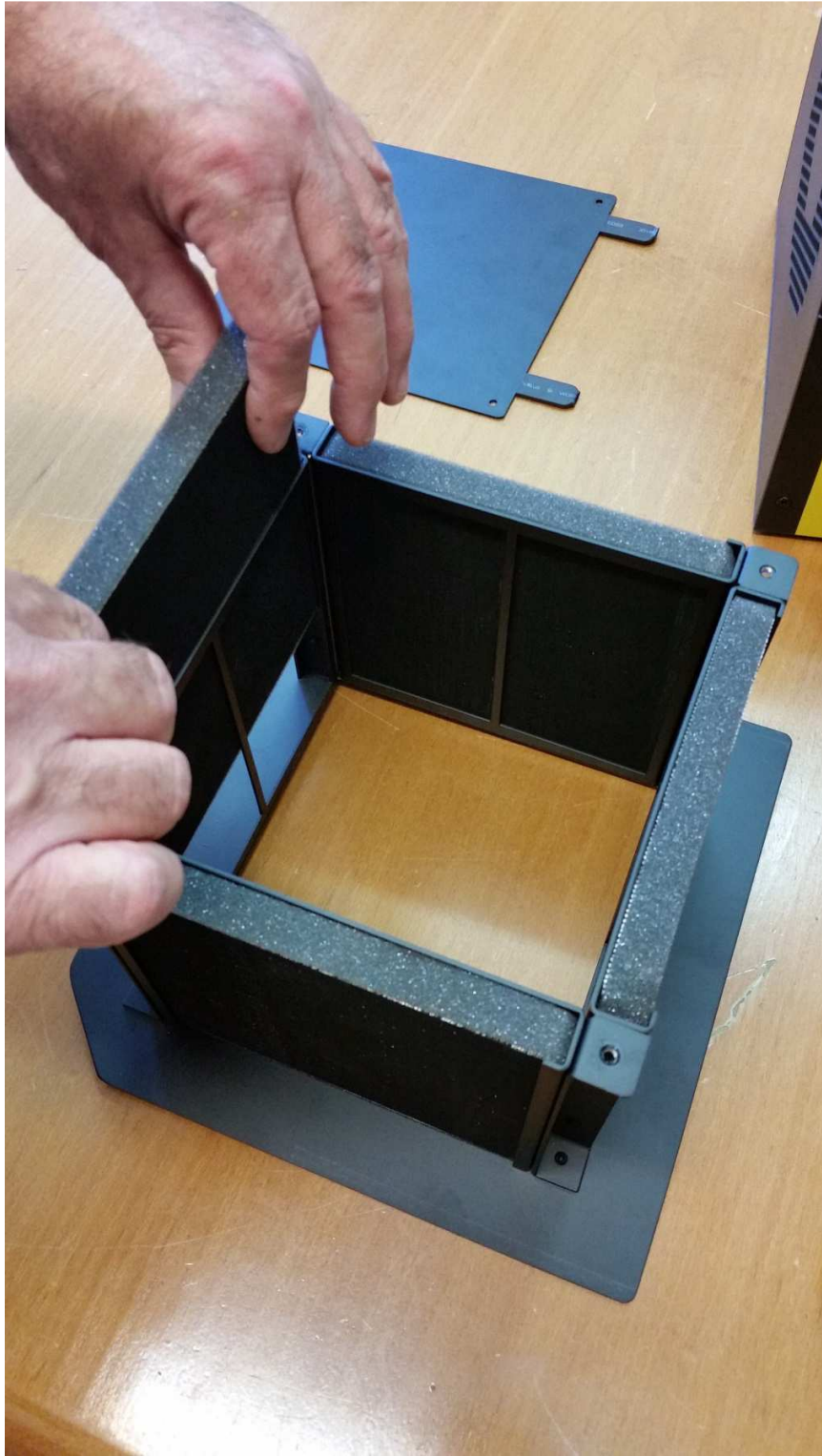
Opening and removing the upper cover



Taking out the ozone filters Housing



Opening the ozone filters Housing



Replacing the 4 ozone filter units

