

TigerO™

User Manual (Version 2019)

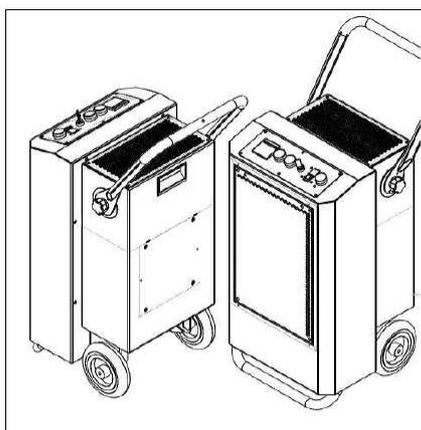


Ecozone Technologies Ltd.

TigerO User Manual

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The TigerO

Mobile Ozone Generator for Professionals

Unpacking

Open the top flaps of the carton and remove the inner supporting walls.

Lift the unit up and gently place it on its wheels.

Install the handle on both sides of the machine



The handle's tightening screw on the right side

General Information

The **TigerO** is a compact but yet a very powerful ozone generator which makes use of the advanced technology of Ecozone's unique Singlet PentaRod core units.

The TigerO was specially designed for the professional cleaning market. It is build at high standards which imply, among others, a very long operative life time and high reliability.

Main Specification

Input Voltage: 230V; 50Hz.
Power Consumption: 420 W.
Overload Current Protection: 4A.
Output Air Flow-Rate: 600 m³/h.
Ozone Generation-Rate: 12.5g/h

Weight: Net 30 kg. Gross 30 kg
Dimensions:
Height: 88 cm (with handle up)
Width: 36 cm, Depth: 33.5 cm.
Color: Black and Yellow.

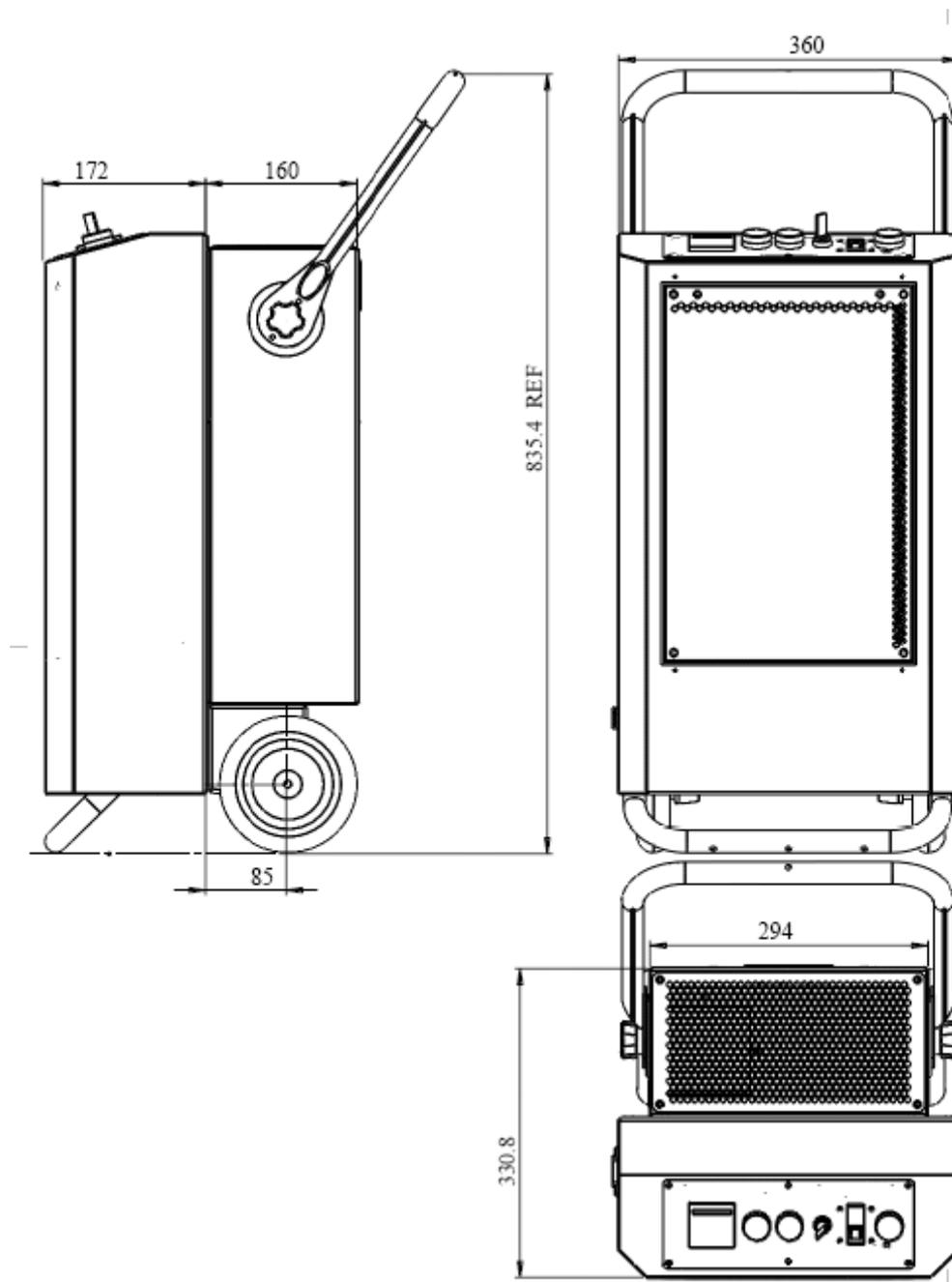
Main Features

Trackless wheels.
Foldable handle.
Metal enclosure coated with anti-rust powder coating.

Operation Conditions:

Indoors use only.
Temperature range: 0°C to 35°C
Humidity: maximum relative humidity 95%.

Schematics



Ecozone Technologies has a policy of continuous product improvement and reserves the right to modify or change this specification at any time without notice.

Safety Precautions & Warnings



Read this manual carefully before operating the unit.



Do not expose this unit to rain or moisture.
Should any liquid come into contact with the machine, unplug it and have it serviced by qualified personnel before operating it further.



Unplug the power plug when the machine is not in use.
When unplugging, never pull the plug by the cord itself.



DO NOT enter the treated room during the operation of the machine.



This machine is equipped with a ventilation inlet and outlet.
DO NOT BLOCK inlet or outlet nor place any foreign objects in their vicinity which may block the air flow.
Place the machine in the **CENTER** of the room.



AVOID ELECTRICAL SHOCK

This unit is supplied with an earthed cable.
Attempting to bypass the earth or to connect the unit to a non-earthed socket is strictly prohibited.

Prior to performing maintenance, always disconnect the unit from the main power!

Control Panel



Features from left to right:

- Time Counter (Hours).
- Start / Stop Button with light indicator: Power ON.
- Key Switch – Normal / Remote: Ozone Generator On / Off.
- Red Light Indicator – Standby: Ozone Generator is OFF (or Operation Fault).
- Main Power Switch with Over-Load Current protection.
- Orange Light Indicator - Ozone Generator is ON.
- Six-Position Times Selector switch (1 - 60 minutes).

Operation modes:

There are two operation modes which are selected by the Key-Switch:
Normal and Remote.

In **Normal** operation mode the machine is controlled by the Six-Position Times Selector on the operation panel;

In **Remote** operation mode the machine is controlled by an External Timer (located outside the room).

Operation Instructions



CAUTION

Before operating the TigerO, make sure that the room is vacant of People, Pets or Plants (PPP). Warning: Ozone is Hazardous gas.

Warning: Ozone is hazardous gas!

Close all room windows and all other openings, and place the machine in the center of the room while assuring that both air-inlet and air-outlet are not blocked!

Operation in **Local** mode:

1. Plug the electrical cable cord in the TigerO socket and then connect it to the electricity mains.
2. Turn the Key-Switch to its **Normal** position (left side).
3. Turn the Main Switch ON.
The White Light will turn ON and the Red light (Standby) will turn ON.
The air-blower will start running and air will be emitted from the outlet mesh on the upper back side.
4. Set the needed operation time by the Times Selector-Switch on the operation panel.
5. Press the Start button.
The Red light will turn OFF* and the Orange (ozone) Light indicator will turn ON withing 2 seconds.
Leave the room immediately! And close the door behind you.
6. After the generation time is completed (according to the selected time), the Orange (ozone) light will turn OFF and a "waiting period" is starting.
Note: During the waiting period the air-blower continue to run in order to circulate the ozone and distribute it homogeneously in the room.
Do not enter the room during the waiting time.
7. After the waiting time is completed you may enter the room and turn the Main Switch OFF. Note: the waiting time should be about 3 times longer than the generation time.

Operation in **Remote** mode:

8. Plug the electrical cable cord in the TigerO socket and then connect it to the electricity mains through a Remote control Timer.
The Input voltage should be: 230V; 50Hz.
9. Turn the Key-Switch to its **Remote** position (right side).
10. Turn the Main Switch ON.
The White Light will turn ON and the Red light (Standby) will turn ON.
The air-blower will start running and air will be emitted from the outlet mesh on the upper back side.
11. Leave the room and close the door behind you.
12. Set the ON and Off times on the External (Remote) Timer as needed.
When the External Timer is activated, the Orange light will turn ON indicating that ozone is being generated and the Red light will turn OFF*.
13. Stopping the operation of the TigerO must be made only by disconnecting the electricity from the Remote control timer!

(*) Note: If the Orange light is not turned ON and the Red light is still staying ON (Error) this is an indication of a failure: See **Trouble shouting**.

Warning:

Do not attempt to re-enter the room while it contains ozone.

Important: After the treatment is completed and only after the residual ozone has been decomposed down below the safety level, you may re-enter the treated room. Note that the time for ozone decomposition may take several hours depends on the room volume and on the ozone generation time.

Before re-entering the room, please open all windows and doors for refreshing the air in the treated room.



CAUTION

**Ozone is a powerful oxidant and hazardous gas!
Avoid any exposure of ozone to people, pets and plants!!!**

Maintenance and Service

In order to keep the unit in good operation conditions, periodic maintenance should be performed. Maintenance includes the following two main issues: (1) Cleaning or replacing the air filter and (2) Cleaning the Singlet core units.

(1) Cleaning / replacing the air filter:

Deposits of dust and dirt on the air filter may result in lowering the performances of the ozone generation. Therefore the air filter, which is located at the front side of the machine, should be cleaned and washed or replaced from time to time and depending on operation times and conditions.



Fig.1

For cleaning or replacing the air filter, use a screw driver to open the 2 screws which connect the filter housing on its top side to the front side of the machine (Fig.1). Insert the screw driver in a hole in the mesh of the filter housing to gently pull it out.

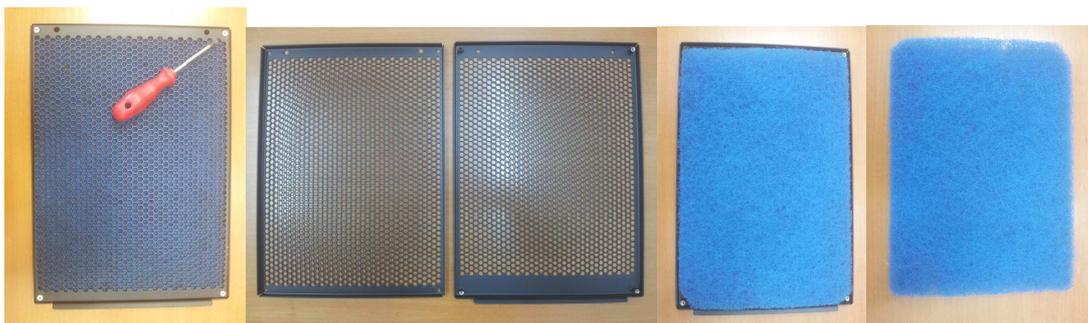


Fig.2 a, b, c, d.

Open the 4 screws of the filter housing (Fig.2a) and separate between the two mesh covers of the dust filter (Fig.2b). Remove the dust filter (Figs. 2c, 2d) and clean and wash it with tap water.

The filter type is DuraLast electrostatic air filter: washable and reusable.
The filter's dimensions are 255mm x 350mm x 12mm (thickness).

(2) Cleaning the Singlet core units (SCUs):

After every 200-250 hours of operation the 2 Singlet core units (SCUs) should be washed and cleaned.

For cleaning the Singlet core units (SCU), please follow the instructions:

1. Remove the dust filter housing (Fig.1) by releasing two screws on its top side.
 2. Disconnect the electrical plug of each one of the two SCUs.
 3. Open and release the two nuts from each SCU.
 4. Gently slide out each SCU from its two supporting (long) screws*.
 5. Wash each SCU with tap water (Fig.3) and clean it up to remove dust and dirt.
 6. Dry the SCU or gently wipe it with soft cloth.
 7. Slide back the SCUs on their supporting screws and tight them with their nuts.
- Note:** Make sure the SCUs are directed correctly according to the signs.
8. Reconnect the electrical plugs of the two SCUs.
 9. Place the dust filter housing back to its position and tight it by its two screws.

(*) Warning:

The glass tubes of the SCUs are very fragile and must be treated gently.

Do not touch the glass tubes by hand and do not scratch them.



Fig.3

Trouble Shooting

Inside the machine there are two Differential Pressure Switch (DPS) units. These DPS units are designated as PS1 and PS2 and they are set at the factory as follows: PS1 = 20Pa; PS2 = 50Pa. **Do not change these settings!**

Air-flow fault:

In case that ozone is not being generated or in case the Orange light is not turned ON and the Red light is still ON (Error) this is an indication of a machine's failure.

Please check the following to possibilities:

1. The air filter housing is opened. In this case please place it in its right position and tight up to the front side of the machine by its two connecting screws.
2. The air filter is blocked. In this case please open the 4 screws of the filter housing and clean and wash the air filter. In case the filter is worn out or torn then you should replace it with a new filter.

Declaration of Conformity

Model No. MOG 550 (MOG = Mobile Ozone Generator)

This unit fully complies with CE & FCC rules of EMC regulations.

EN 61000-61, EN 61000-62, EN 61010-1, EN 5501 EMC, FCC Part 15

Safety of Low Voltage Directive 73/23/EEC as Amended: EN 61010-1.



Warranty

ECOZONE warrants to the original retail purchaser or licensee of the TigerO (“Purchaser”) that the TigerO will conform to and perform in accordance with the published technical specifications and any accompanying written materials supplied by ECOZONE and will be free from defects in materials and workmanship under normal use and conditions for the applicable warranty period indicated below.

This warranty does not extend to TigerO units which have been subject to misuse, accident, exposure to corrosive substances, tampering or use in a manner not approved by ECOZONE in writing.

Warranty period is one year, commencing on the date of purchase.

Under this warranty, Purchaser must first return the TigerO to ECOZONE, together with proof of purchase from an authorized dealer of ECOZONE (a “Dealer”), either directly, or through the Dealer from whom Purchaser purchased the TigerO, for examination by ECOZONE of entitlement under the terms of this warranty.

All shipping, handling, travel, service call and/or other incidental and/or related charges are fully payable by Purchaser only and are not included in this warranty .

In the case of a machine's fault which requires reparation that can be done by the customer on his site but must be executed, upon manufacturer's exclusive discretion, at the manufacturer's facility or in the case of manufacturer's decision to replace a machine, the customer should arrange on his account to deliver the machine to manufacturer's facility for reparation or for replacement by the manufacturer.

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ALL OF WHICH ARE EXPRESSLY EXCLUDED AND DISCLAIMED. ECOZONE WILL NOT BE LIABLE FOR LOSS OF PROFITS, ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES WHICH PURCHASER MAY SUSTAIN, OR PUNITIVE DAMAGES, EVEN IN THE EVENT OF NOTICE OF THE POSSIBILITY OF SUCH DAMAGES. IN NO EVENT SHALL LIABILITY UNDER THIS WARRANTY EXCEED THE PURCHASE PRICE OF THE ACTIVO PRODUCT. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

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