



THE PROFESSIONAL PANTHER MANUAL

Portable Ozone Generator for Professionals



The **Professional Panther** is a compact but yet a powerful ozone generator which makes use of the advanced technology of Ecozone's unique Singlet PentaRod core. The Professional Panther 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: 150W.

Output Flow-Rate: 300m³/h.

Ozone Generation Rate:

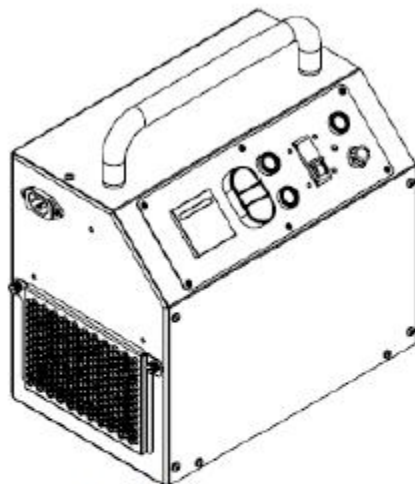
7,500mg/h.

Timer Selector with 6 positions: 1, 5, 10, 15, 30 and 60 minutes.

Initial time-delay (before starting ozone generation) of **1** minute.

Low acoustic noise level.

Low EM noise.



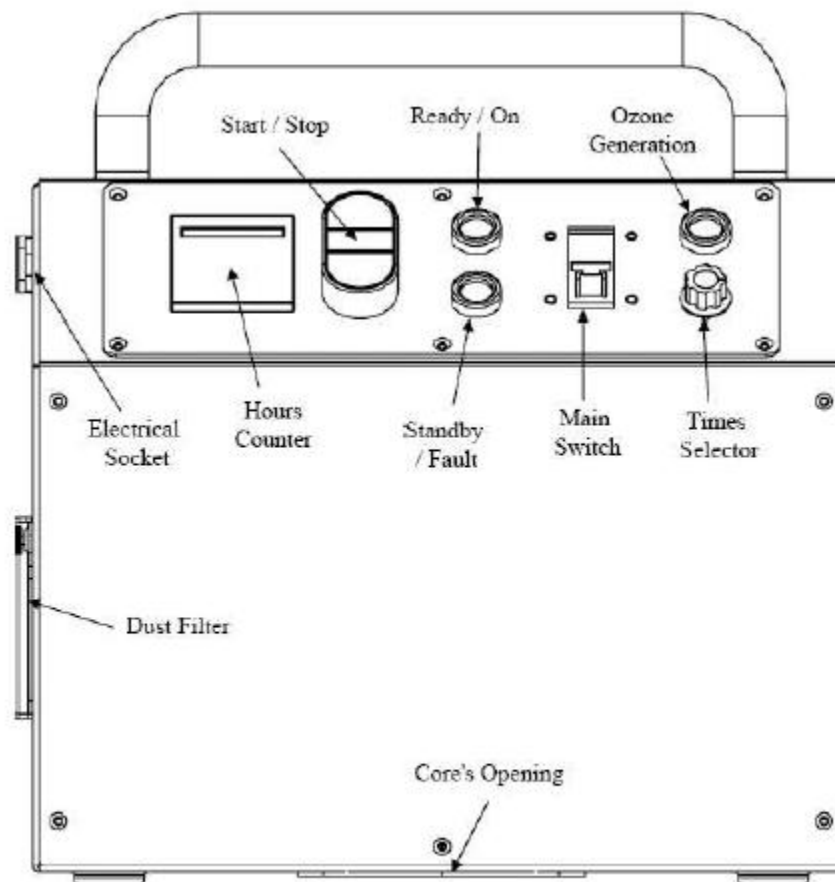
Enclosure:

Ozone-Resistant Coated Metal.
Standard Coating Color: Yellow and Black.

Machine Dimensions:
33 cm (L) x 20.5 cm (W) x 27.5cm (H);
Height with handle: 34cm.
Net Weight: 6kg.

Package Dimensions:
52.5 cm (L) x 31 cm (W) x 43 cm (H);
Shipping Weight: 8kg.

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



Operating Panel Features



Time Counter (Hours);
Remote Operation Key Switch
Main switch with Over-Load Current protection;
Start / Stop operation button;
Power-ON (Green) light indicator;
Ozone-generation ON (Orange) light indicator;
Fault (Red) light indicator.

The Professional Panther: Operating Instructions

Before operating the Panther ozone generator, please close all room windows and other openings, and place the machine in the center of the room – preferably on a table or on other elevated surface, while assuring that both air-inlet and air-outlet are not blocked!

CAUTION: BE CERTAIN THE ROOM IS NOT OCCUPIED AND CONTAINS NO PETS, PLANTS, NATURAL RUBBER OR COMPOUNDS CONTAINING NATURAL RUBBER

Normal Operating procedure:

1. Plug the power cable to the Panther socket and then to the electricity mains.
 2. Select ozone-generation time (1, 5, 10, 15, 30 or 60 minutes).
 3. Turn-ON the Main Switch. Note: The Red light is turned ON.
 4. Press the Start (Green) button*.
- Note: The Green light is turned ON and the air fan will start running.
5. Leave the room and close the door behind you – **within 60 seconds**.

Warning: You have 60 seconds (time-delay) to leave the room before ozone generation will start.

(*) Note: If - after you have pressed the Start (Green) button - you want to change

your selection for ozone-generation time, you can do in the following procedure:

1. Immediately Press the Stop (Red) button - within the period of 60 seconds!

Note: The Red light is turned ON.

2. Re-Select ozone generation time (1, 5, 10, 15, 30 or 60 minutes).

3. Press the Start (Green) button.

Note: The Green light is turned ON and the air fan will start running.

4. Leave the room and close the door behind you - **within 60 seconds**.

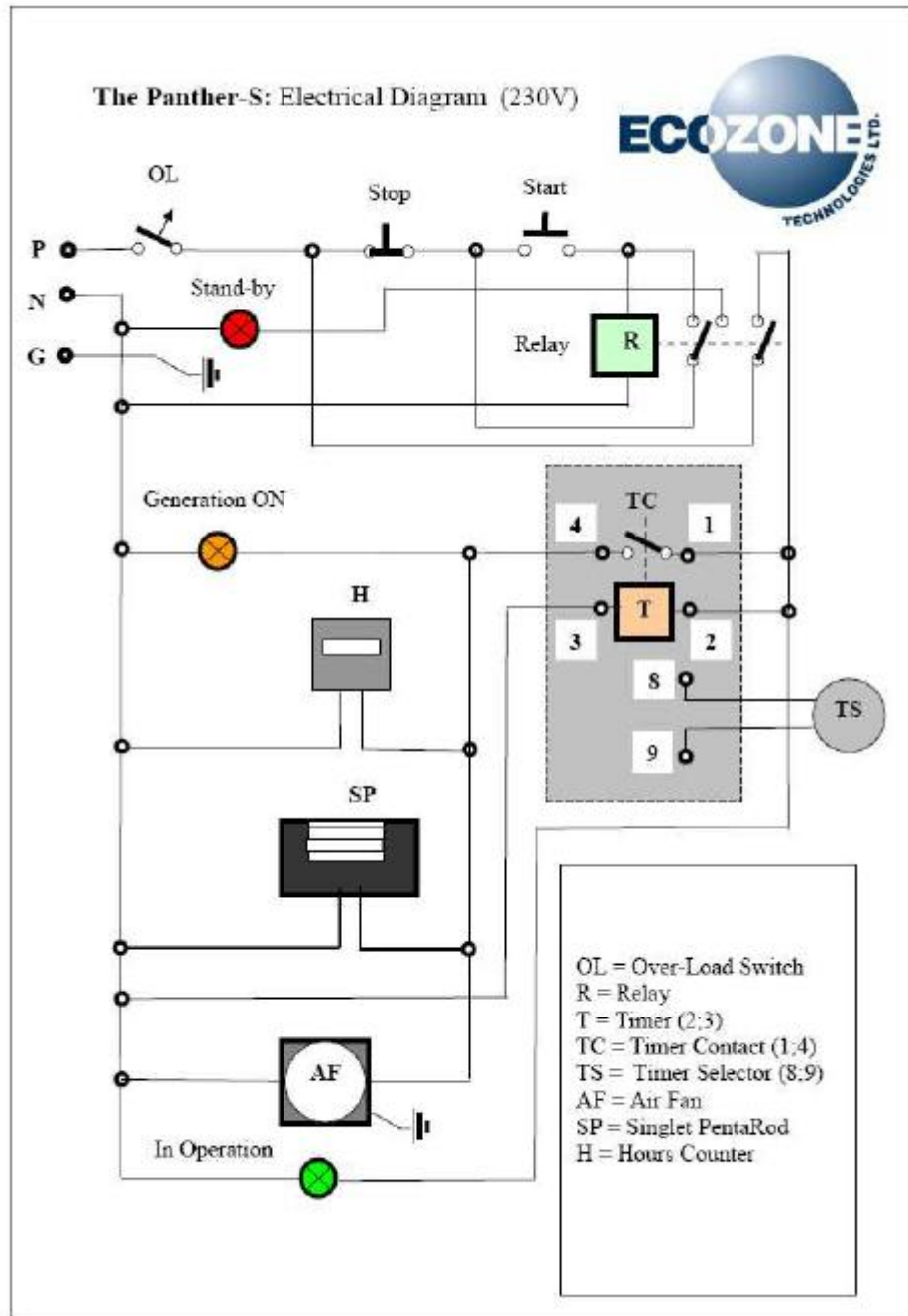
Note: The air fan will continue to run after the ozone generation time is completed.

Important: After the treatment was 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 depends on the room volume and on the ozone generation time which was selected. Upon re-entering the room, please open all windows for air refreshing the room.

Remote Operation procedure

Switching the Key Switch (located on the left side panel) to Remote position allows to operate the machine **periodically** (namely, ON-OFF) using an external timer. For example: Setting the machine's timer on 10 minutes and the external 24 hours timer periodically in ON state for 1 hour and in OFF state for 30 minutes will operate the machine to generate ozone periodically for 10 minutes in a cycles of 1.5 hours.

Note: The cycle time selected by the external timer must be longer than the ozone generation time as selected by the machine's timer.



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

Maintenance and Service

Two items must be accomplished to care for your Panther: replacing the dust filter and washing the Singlet core.

Replacing Dust Filter

Deposits of dust may result in lower performance of ozone generation. Accordingly, the **dust filter** which is located at the left side of the machine should be replaced **every month or 100 hours of use – whichever comes first.**

Replacement takes only 1 minute.

For replacing the dust filter, please open the filter housing by partially unscrewing its two screws as shown below.



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Washing Singlet Core

After every **250 hours of operation or 3 months, whichever comes first**, the Singlet core generator unit should be washed.

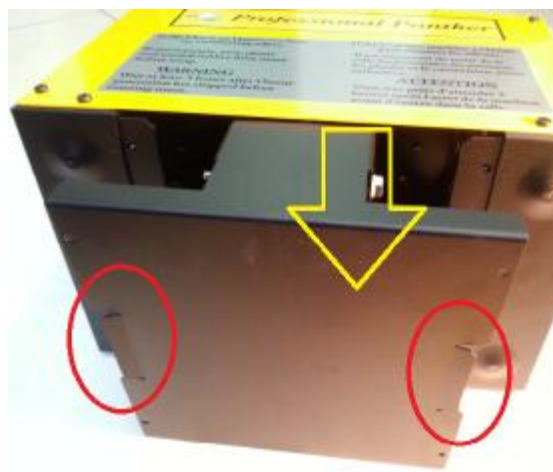
For washing the core unit, please follow these instructions:

- (1) Place the machine as shown below with the operating panel directing upwards.



(2) Remove the four (4) screws of the supporting plate at the bottom of the machine.as shown above

(3) Gently pull out the supporting holder with the Singlet core unit as shown below, and place it on its base next to the generator.

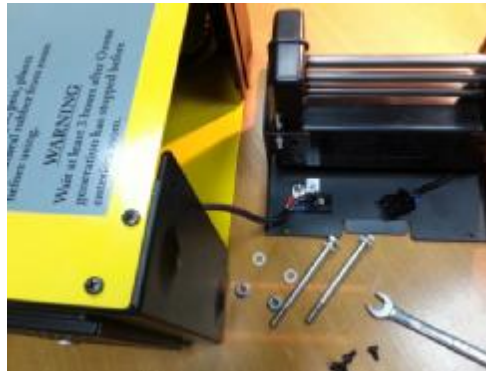


(4) Disconnect the electrical plug of the core unit shown in a pink diamond at the bottom of the picture below.



(5) Unscrew the two nuts shown in yellow circles above. This disconnects the Singlet core from its holder. Pull out the screws and gently remove the Singlet core. The result is shown below.

CAUTION: DO NOT TOUCH THE GLASS TUBES OF THE SINGLET CORE!



(6) Dry the core by gently wiping it with soft cloth. Or let it stand until it is dried by the air.

(7) Wash the core unit with tap water and clean it to remove dust and dirt.



(6) Dry the core by gently wiping it with soft cloth. Or let it stand until it is dried by the air.

(7) Place the Singlet core unit back inside its supporting holder.

Note: Make sure the Singlet core unit is placed correctly by lining up the two facing arrows as shown in the picture in Step 4 above

- (8) Re-connect the electrical plug of the Singlet core unit (see Step 4 above – shown in pink diamond).
(9) Insert the supporting holder with its Singlet core back into its position inside the generator (see Step 4 above).

Note: Make sure the Singlet core unit was placed correctly by lining up the two facing arrows as shown in the picture in Step 4 above

- (10) Close and tighten the screws of the supporting plate.

Warning: The glass tubes of the core unit are highly fragile and must be treated gently. **Do not touch by hand and do not scratch the tubes.**

Declaration of Conformity

Model No. POG 250 (POG = Portable 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.



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