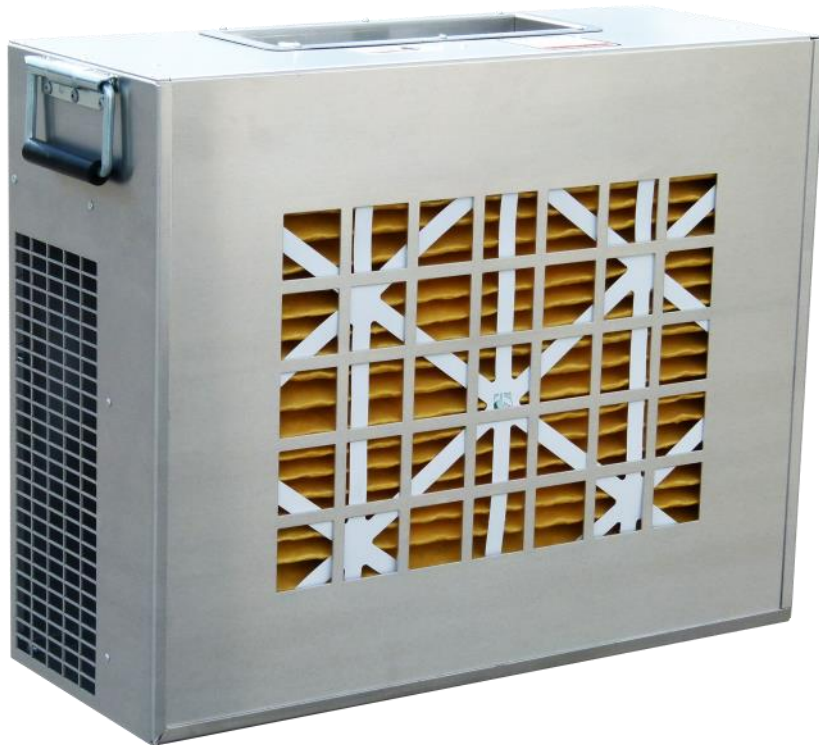




*MANUFACTURING HIGH QUALITY
ENVIRONMENTAL ABATEMENT EQUIPMENT
SINCE 1988*



PEROx 1000-3 Operations and Maintenance Manual



SPECIFICATIONS

Controls: ON-OFF-TIMER Switch, LOW-MED-HIGH OUTPUT, ON/OFF-Speed Control, Hour Meter, 0-12 hr timer
Purifier: 2 - Ionized-Hydro-peroxide generators
Airflow: 300-850 CFM
Pre-filter: 2” Pleated Filter, MERV-11 efficiency, 16”x24”x2”
Housing: Mill Finish Aluminum
Weight with Filters: 33 lbs.
Dimensions: 26”W x 20”H x 10”L
 Operating environment: Non-hazardous, 104 F maximum temperature

ORDERING INFO.....PART #

OmniAire PEROx PGOAHPG1000-3
 Primary/Secondary Filter OPF2614
 Quick Clamp, 14”..... QCW14
 Flexible Duct, 12”x25’OAD12
 PEROx replacement cell, 14”EHPG-4
 PEROx replacement cell, 9”EHPG-3

RECEIVING INSTRUCTIONS

Unpacking: Visually inspect the unit for damage. Ensure that the pleated filters have not been dislodged during shipping. This unit must be operated with the filters in place.

OPERATION OF PEROx 1000-x3

The PEROx machine purifies air passing through the unit and disperses free oxidizer plasma to purify surrounding air and surfaces. The oxidizer plasma, generated from O₂ and humidity in the air, remains active for about 15 minutes, then it returns to O₂ and humidity. Generation of oxidizer plasma could be set at LOW/MED/HIGH, depending on the size of the room and the sanitizing requirements. The airflow through the PEROx unit is adjustable by the speed controller between 100 to 850 CFM.

Examples of application:

For occupied room, 20ft. x 15 ft. x 10 ft. (3000 cubic ft.), the generator OUTPUT should be set at LOW or MED and the airflow at low to medium.

For 6,000 cu. ft. or larger space, the Output should be set at MED level and the air flow at high. To remove high levels of contamination in unoccupied spaces, the output should be set to HIGH for a rapid purification of the area. THE IONIZED-HYDRO-PEROXIDE IS SAFE FOR HUMAN EXPOSURE, BUT THE COMFORT LEVELS ARE DIFFERENT FOR EACH PERSON.

OPERATING INSTRUCTIONS

- 1) Turn the blower ON with Speed Controller knob and set the desired airflow.
- 2) Select the OUTPUT level, LOW/MED/HIGH and the operation mode with ON/OFF/TIMER selector switch. In ON position, the unit will run continuously, while in TIMER position, the running time can be set by a timer for 0 to 12 hours. The hour meter turns on when the generator is operating and the running time of the generator is measured by the Hour meter.

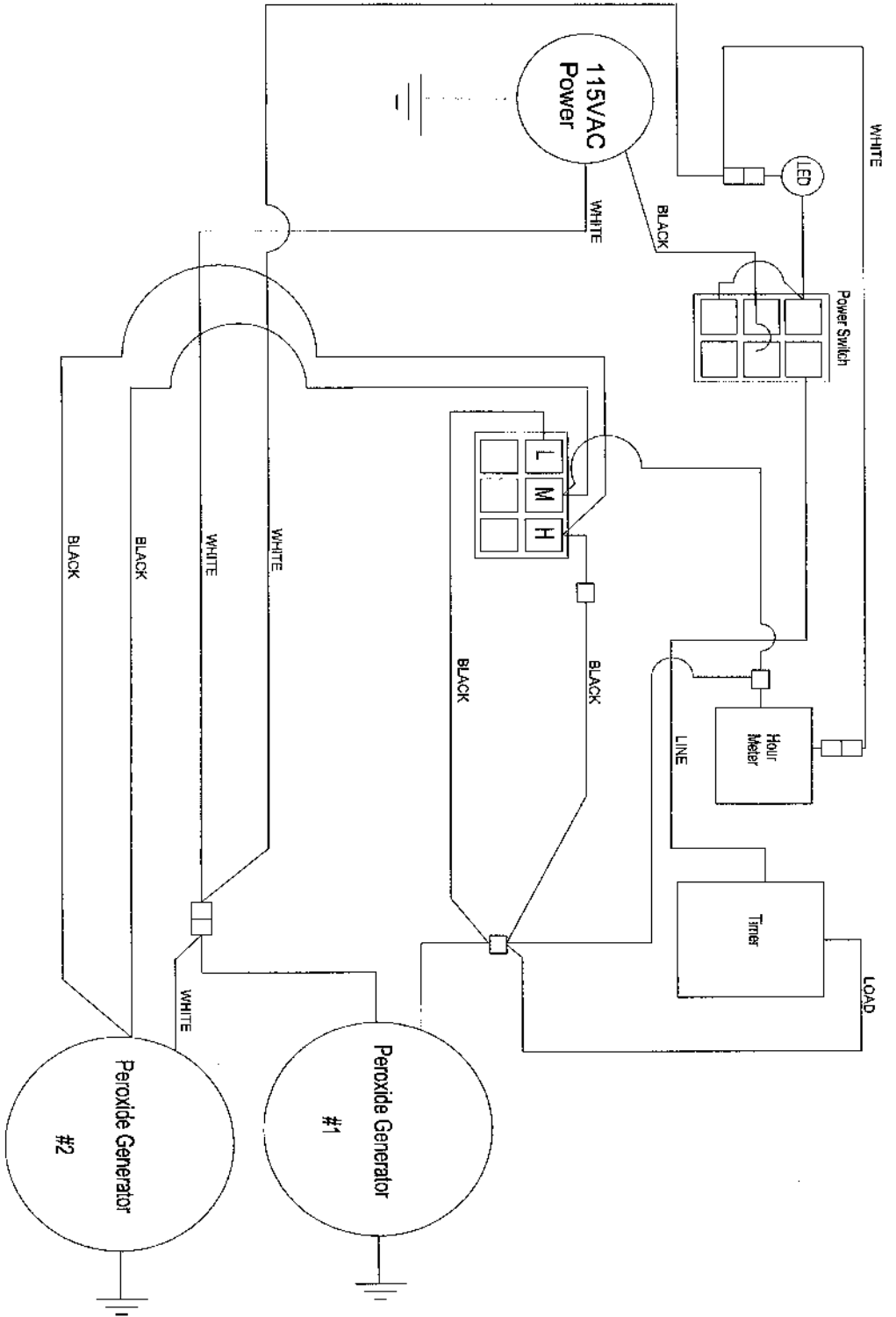
REPLACEMENT OF THE PREFILTER

1. Unplug the unit and remove the filter protection gate.
2. Remove the used filter and install new one.
3. Slide the gate in the track.

REPLACEMENT OF the GENERATOR CELL

The generator cell's output slowly degrades and should be replaced after 25,000 hours of running. To replace the cell:

- 1) Unplug the machine and remove 12 screws holding the side panel.
- 2) Unplug the power supply connector and remove 4 screws while holding the generator.
- 3) Remove the whole generator from the unit and follow the instructions included with the replacement cell.



Omnitek Design Inc. PEROX Module Wiring Diagram 5/27/2014

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