



**BOSS**<sup>TM</sup>  
HYDROXYL ODOR PROCESSOR



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# WARNING!

*Use this Hydroxyl Generator only for its intended purpose as described in this Owner's Manual.*

## PLEASE READ AND SAVE THESE IMPORTANT SAFETY INSTRUCTIONS

### IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

- Read all instructions before using this Hydroxyl Generator.

- To avoid fire or shock hazard, plug the equipment directly into a grounded AC electrical outlet.

- If the generator is covered by a bag when shipped: remove plastic bag before use.

- Keep the cord out of heavy traffic areas. To avoid fire hazard, NEVER put the cord under rugs, near heat registers, radiators, stoves, or heaters.

- To protect against electrical hazards, DO NOT immerse in water or other liquids. DO NOT use near water.

- DO NOT leave the generator in use unattended around those requiring close supervision.

- WARNING! Always unplug the generator before moving it, cleaning, or whenever the generator is not in use. Be sure to pull by the plug and not the cord.

- NEVER drop or insert any object into any openings.

- DO NOT operate any generator with a damaged cord or plug, if motor fan fails to rotate, after the generator malfunctions, or if it has been dropped or damaged in any manner. Return generator to manufacturer

or authorized repair facility for examination, electrical or mechanical adjustment, or repair.

- Use generator only for intended use as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons. The use of attachments not recommended may cause hazards.

- INDOOR USE ONLY!

- NEVER block the air openings, grills/outlets or place on a soft surface such as a bed or sofa, as this could cause the unit to tip over, blocking the Air Intake Opening/Grill.

- Keep unit away from heated surfaces and open flames.

- CAUTION: For General Ventilating Use Only. Do Not Use to Exhaust Hazardous or Explosive Materials and Vapors.

- DO NOT attempt to repair or adjust any electrical or mechanical functions on this unit. Doing so will void your warranty. The inside of the unit contains no user serviceable parts. All servicing should be performed by qualified personnel only.

- WARNING! To reduce the risk of fire or electric shock, DO NOT use this generator with any solid-state speed control device.

- DO NOT place anything on top of generator.

- DO NOT plug the cord in with wet hands: electric shock could result.

- NEVER use detergents, gasoline, glass cleaner, furniture polish, paint thinner or other household solvents to clean any part of the generator.

- DO NOT, under any circumstances, cut or remove the third (Ground) prong from power cord. For personal safety, this generator must be properly grounded.

## ***CONTENTS LIST***

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The Odorox® Boss™ Hydroxyl Generator is shipped with the following:

1. Odorox® Boss™ Hydroxyl Generator
2. Washable Filter (Comes Installed)
3. Set of Keys
4. Owner's Manual
5. Warranty Card



The Odorox® Boss™ unit is the right choice for the professional fire and water damage restoration contractor. It can deodorize and decontaminate up to 2000 square feet.

The Odorox® Boss™ unit is designed for heavy concentration processing and operates using less than 230 Watts (refer to Specification page for additional ratings). The Boss™ unit is equipped with a selector switch for 1 or 2 Odorox® hydroxyl generating optics and a washable filter. The built-in fan is adjustable from approximately 250 to 500 cfm which makes this unit very versatile. Turn the fan to low to deodorize small areas such as cars, RVs, boats, bedrooms or offices. This setting is also ideal for tenting damaged contents on-site. Turn the fan to high and you have the ability to treat larger areas such as basements, homes and businesses. In this case, auxiliary air movers should be used to help evenly distribute the Odorox® hydroxyls.

For use in heavy odor concentrations, the best performance will take place if the washable filter is removed prior to start up. This will ensure that the Odorox® Boss™ unit continues to treat the source of the odors and does not also need to treat odors coming from accumulation on the filter.

Recommended treatment area per Boss™

CONTAMINATION LEVEL	SQ FT AREA TREATED (8' Ceiling)
LIGHT	2000
MODERATE	1250
HEAVY	500

## **OPERATING THE ODOROX® BOSS™ UNIT**

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### **POWER ON**

The main power for the Boss™ unit can be switched on by turning the FAN SPEED switch clockwise.

### **POWER OFF**

The main power for the Boss™ unit can be switched off by turning the FAN SPEED switch counter clockwise to the "OFF" position.



### **FAN SPEED**

The Boss™ unit is equipped with a fan, which operates at between 250 and 500 cubic feet per minute.

In order for the fan to turn on, the FAN SPEED switch must be rotated clockwise. Once turned on, the fan speed can be controlled by turning the FAN SPEED switch clockwise to decrease the speed, or counter clockwise to increase the speed.

### **PROCESSOR**

The Boss™ unit is equipped with two Odorox® hydroxyl generating optics. In order for the optics to turn on, the FAN SPEED switch must be turned on.

With the FAN SPEED switch turned on, and the PROCESSOR switch in the LOW position, one optic will be functioning. With the FAN SPEED switch turned on, and the PROCESSOR switch in the HIGH position, two optics will be functioning.

With the FAN SPEED switch in the OFF position, the optics will likewise be off.

**CAUTION: DISCONNECT** the unit from an electrical power source before performing any maintenance or cleaning on the unit.

### **SYSTEM CASE CLEANING**

#### **Exterior**

The exterior of the Odorox® product can be cleaned with mild dishwashing detergent and a clean cloth, and then rinsed with clean water. **DO NOT** use any all-purpose cleaners with harsh detergents or abrasives, as these may damage the exterior of the equipment and void any warranty. Care should also be taken to avoid spraying or otherwise directing detergent or water into or around electrical components.

#### **Interior**

The interior of the Odorox® product can be cleaned in the same manner as the exterior with the exception of the optics and optics' housing.

### **OPTIC CLEANING**

Cleaning of the Odorox® optics is recommended to maintain peak processing efficiency. Fingerprints, smudges, dirt, dust particles, etc. will interfere with the hydroxyl production and should be avoided.

**Note: Remove the optics from the optic chamber prior to cleaning to avoid any damage to the optics during the cleaning process (refer to the Optic Replacement Instructions for proper removal).**

To clean the optics, use a solution of 10% Isopropyl Alcohol and 90% filtered/distilled water on a clean lint-free cloth and wipe gently. Do not use any type of commercial glass cleaner. Using another lint-free cloth, gently wipe the optic until completely dry. Allow the optic to dry completely before operating the system.

## ***OPTIC REPLACEMENT INSTRUCTIONS***

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**CAUTION: DISCONNECT the unit from an electrical power source before performing any maintenance or cleaning on the unit.**

**Step 1** – Turn “FAN SPEED” switch to the “OFF” position

**Step 2** – Unplug power cord from the electrical receptacle

**Step 3** – Using the supplied key, unlock and remove both end panels

**Step 4** – Remove filter cover plate and filter

**Step 5** – Remove optic following these instructions:

**Caution: Use clean powder free latex gloves and eye protection when handling the optics in this unit**

- With a firm grip on the upper porcelain end of the optic, use your other hand to grip the optic connector..
- Gently ‘wiggle’ connector while pulling from the optic base.
- Gently pull optic from three lamp supports (**Do not put any pressure on the side of the optic without support**).

**Caution: Optics contain Mercury. Dispose of optics in accordance with local regulations. To find out more about local regulations, please visit [www.lamprecycle.org](http://www.lamprecycle.org).**

**Step 6** – Install new optic following these instructions:

- Remove new optic from packaging and gently insert into the three optic clips.
- With a firm grip on the upper porcelain end of the optic, use your other hand to grip the optic connector.
- Gently connect the optic connector to the optic.

**Note: Optic connector is keyed with the optic base and will connect in one direction only**

- Ensure optic connector and optic base are firmly pressed together.

**Step 7** – Re-install end panels

**Step 8** – Re-install filter and filter plate

**Step 9** – Plug power cord back into the electrical receptacle

**Step 10** – Test unit for proper operation



<b>PROBLEM</b>	<b>POSSIBLE CAUSE</b>	<b>SOLUTION</b>
Fan will not turn on	Boss™ unit is not plugged into an energized electrical receptacle.	Ensure circuit breaker is 'ON' and the electrical receptacle has proper power available.
	Internal component failure.	Contact local distributor for service.
Green "PROCESSOR ON" LED will not light up	"FAN SPEED" switch is in the "OFF" position.	Turn on "FAN SPEED" switch to desired air flow setting.
	Green LED has failed.	Contact local distributor for service.
	Internal component failure.	Contact local distributor for service.
Optic(s) not functioning	Rated life of optic has been met.	Contact local distributor for replacement optics/service.
	Optics have been damaged.	Contact local distributor for replacement optics/service.
	Internal component failure.	Contact local distributor for service.

# SPECIFICATIONS AND WARRANTY

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## SPECIFICATIONS

**Dimensions:** 12.5" x 18.5" x 25" (307mm x 470mm x 635mm)

**Weight:** 35lbs (16kg)

**Power Requirements:** 120 Volt AC, 1.9 Amp, 60 Hz (North America Model)  
240 Volt AC, 0.9 Amp, 50 Hz (International)

**Control:** Variable Speed Switch/Selector Switch

**Meter:** 1/10 Quartz Hour Meter

**Mobility:** Handle/Rubber Feet, Optional Wheeled Cart

**Noise Level:** <55 dBA

**Number of Optics:** 2

## REPLACEMENT PARTS

HGI PART #	QUANTITY IN EACH BOSS™ UNIT	PART DESCRIPTION
OPT-XX-078	2	ODOROX® HYDROXYL GENERATING OPTIC, BROWN
XSA00EW02	2	OPTICS POWER CABLE
XSA00EA01	2	BALLAST ASSEMBLY, 120 VOLT (N.Am)
XSA00EA06	2	BALLAST ASSEMBLY, 200-277 VOLT, 50/60 Hz (INTL)
EPC-IL-021	1	LIGHT MODULE, PROTECTED LED, 110-120VAC, GREEN (N. Am.)
EPC-IL-017	1	LIGHT MODULE, PROTECTED LED, 230/240VAC, GREEN (INTL)
XSA00EA04	1	HOUR METER ASSEMBLY, 90-264 VAC, 50/60 Hz
XSA00EA02A	1	SPEED CONTROL, 120 VOLT (N.Am)
ESC-XX-542	1	SPEED CONTROL, 240 VOLT (INTL)
ESC-KN-075	1	SPEED CONTROL KNOB

## LIMITED WARRANTY

HGI Industries, Inc. warrants that this Odorox® product (excluding spare parts and consumables) shall be free from defects in workmanship or materials for a period of one (1) year from the delivery thereof to the customer.

## **CONTACTING YOUR LOCAL DISTRIBUTOR**

For replacement parts, warranty service, or any questions regarding the operation and maintenance of your Odorox® product, please contact your local Odorox® distributor.

**To find a distributor in your area, please visit: [www.Odorox.com](http://www.Odorox.com)**

Odorox® Hydroxyl Generators are proudly manufactured in the USA.



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