

# BOSS XL3™ Hydroxyl Processor



GREEN TECHNOLOGY AT WORK™

## OWNER'S MANUAL



\*air mover not included

## BOSS XL3™

**THE ODOROX® BOSS XL3™ UNIT PROCESSES A HIGH CONCENTRATION OF ODOROX® HYDROXYLS TO TREAT AFFECTED AREAS SUCH AS:**

- FIRE DAMAGE
- FLOODING
- SEWER BACKUP CONTAMINATION
- TOXIC ODORS FROM CHEMICAL SPILLS
- MOLD
- VOLATILE ORGANIC COMPOUND ODORS

The BOSS XL3™ unit decontaminates and deodorizes while you dry because it joins directly to your existing air mover. The Boss XL3™ unit is equipped with a selector switch for 2 or 3 Odorox® hydroxyl generating optics and operates using only 1.6 Amps.

## SPECIFICATIONS:

- **Dimensions:** 11.12" x 20.25" x 20.25 (514mm x 283mm x 514mm)
- **Weight:** 25lbs, 11.4kg
- **Voltage:** 120V @ 60Hz / 220V @ 50/60Hz
- **Power:** 180 Watts (max) Without Blower
- **Control:** Selector Switch & Pressure / Switch which activates from positive air flow
- **Meter:** 1/10 quartz hour meter
- **Mobility:** Handle / Rubber feet
- **Finish:** Bronze powder coat
- **Number of Optics:** 3
- **Air Inlet / Outlet:** Louvered panel / 7" (117.8mm) Spout
- **Filter:** One 9.75" x 10.68" x 0.50" (247.7mm x 271.3mm x 12.7mm)
- **Certification:** Meets ETL Canada / US - CSA & UL Standards, Meets CE, REACH, RoHS, Residual O<sub>3</sub>/Non-accumulative

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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 XL3™ Hydroxyl Generator is shipped with the following:

1. Odorox® Boss XL3™ Hydroxyl Generator
2. Washable Filter
3. Set of Keys
4. Owners' Manual
5. Warranty Card

Note: Air Mover Not Included

## ODOROX® BOSS XL3™ OPERATIONAL GUIDELINES



The Odorox® Boss XL3™ Unit is the right choice for large area odor control resulting from fires, flooding, sewer backup contamination, toxic odors and chemical spills. This unit is designed for use with your existing air mover (air mover is not included).

The Boss XL3™ Unit will provide a heavy concentration of Odorox® hydroxyls to treat large areas affected by fire and smoke, flood, nicotine, grey/black water, decomposition, mold, sewage, chemical spills/off gassing and any other odor problem you may encounter. This unit allows you to decontaminate and deodorize while you dry because it joins directly to your existing air movers. The Boss XL3™ Unit is equipped with a selector switch for 2 or 3 Odorox® hydroxyl generating optics and operates using very low Wattage.

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 XL3™ 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 XL3™ Unit

CONTAMINATION LEVEL	SQ FT AREA TREATED (W/8' Ceiling)
LIGHT	3000
MODERATE	1875
HEAVY	750

## **OPERATING THE ODOROX® BOSS XL3™ UNIT**

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**Note: The Odorox® Boss XL3™ Unit requires an external air mover to function (not supplied with Boss XL3™ Unit). The air mover must be operating on high speed and situated as seen in the adjacent picture to activate the Boss XL3's vacuum switch allowing the unit to function**



### **POWER ON**

The red “POWER ON” LED will turn on when the Boss XL3™ Unit is plugged into a proper power source. With the red “POWER ON” LED turned on, the Boss XL3™ Unit can be powered on by turning the “PROCESSOR” switch to the “LOW” or “HIGH” position (refer to Note above). The green “PROCESSOR ON” LED will indicate when the Boss XL3™ Unit has either two or three Odorox® hydroxyl generating optics functioning.

### **POWER OFF**

The main power for the Boss XL3™ Unit can be switched off by turning the “PROCESSOR” switch to the “OFF” position.

### **PROCESSOR**

The Boss XL3™ Unit is equipped with three Odorox® hydroxyl generating optics. With the “PROCESSOR” switch in the “LOW” position, two optics will be functioning. With the “PROCESSOR” switch in the “HIGH” position, three optics will be functioning.

**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 (20 minutes) 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 “PROCESSOR” 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 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 5** – 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 6** – Re-install end panels

**Step 7** – Plug power cord back into the electrical receptacle

**Step 8** – Test unit for proper operation



## **OPTIC REPLACEMENT INSTRUCTIONS**

<b>PROBLEM</b>	<b>POSSIBLE CAUSE</b>	<b>SOLUTION</b>
Red "POWER ON" LED will not light up	Boss XL3™ Unit is not plugged into an energized electrical receptacle.	Ensure circuit breaker is 'ON' and the electrical receptacle has proper power available.
	Red LED has failed.	Contact local distributor for service.
Green "PROCESSOR ON" LED will not light up	"PROCESSOR" switch is not turned on.	Turn on "PROCESSOR" switch to "LOW" or "HIGH" position.
	Auxiliary air mover not connected to Boss XL3™ Unit as shown in manual.	Position Boss XL3™ Unit and auxiliary air mover as shown in manual.
	Auxiliary air mover not turned on high speed.	Turn auxiliary air mover on to high speed.
	Auxiliary air mover not rated for high enough static pressure (low amperage unit).	Try the setup using an alternate auxiliary air mover.
	Negative pressure tubing is kinked or not in the correct position to activate the pressure switch.	Ensure that the negative pressure tubing (clear 1/4 inch) is pulled through into the 7 inch discharge nozzle of the Boss XL3™ Unit and that it is not kinked.
	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:** 11.12" x 20.25" x 20.25" (282.4mm x 514.4mm x 514.4mm)

**Weight:** 25lbs (11.4kg)

**Power Requirements:** 120 Volt AC, 1.6 Amp, 60 Hz (North America Model)  
240 Volt AC, 0.9 Amp, 50 Hz (International)

**Control:** Selector Switch

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

**Mobility:** Handle/Rubber Feet

**Noise Level:** N/A (refer to air mover specifications)

**Number of Optics:** 3

### **REPLACEMENT PARTS**

<b>HGI PART #</b>	<b>QUANTITY IN EACH BOSS XL3™ UNIT</b>	<b>PART DESCRIPTION</b>
OPT-XX-078	3	ODOROX® HYDROXYL GENERATING OPTIC, BROWN
XSA00EW02	3	OPTICS POWER CABLE
XSA00EA01	3	BALLAST ASSEMBLY, 120 VOLT (N.Am.)
XSA00EA06	3	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)
EPC-IL-148	1	LIGHT MODULE, PROTECTED LED, 110-120VAC, RED (N.Am.)
EPC-IL-149	1	LIGHT MODULE, PROTECTED LED, 230/240VAC, RED (INTL)
XSA00EA04	1	HOUR METER ASSEMBLY, 90-264VAC, 50/60 Hz

### **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.



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Odorox® Hydroxyl Generators are proudly manufactured in the USA.

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