

Decon Scrubber



Owner's Manual

Serial # _____



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IMPORTANT SAFETY INFORMATION. READ ALL INSTRUCTIONS BEFORE USING.



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

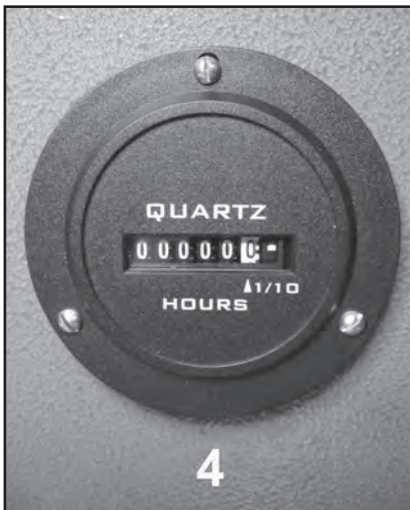
When using electrical equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

- Read all instructions before using this Hydroxyl Generator.
- To avoid fire or shock hazard, plug the equipment directly into a 120V 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.
- Close supervision is necessary when any generator is used by or near children, or disabled persons.
- **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 use an extension cord. Doing so can create potential safety hazards.
- 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.
- DO NOT use outdoors.
- 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.
- To avoid a shock, plug the unit's three-prong plug into a grounded outlet.
- DO NOT under any circumstances cut or remove the third (Ground) prong from power cord. For personal safety, this generator must be properly grounded.

OPERATING THE DECON SCRUBBER

The Control Panel

- 1) Main Power Switch – Turns power on to the Decon Scrubber. This switch must be in the “ON” position before trying to control the “FAN SPEED” or “PROCESSOR” switches.
- 2) Fan Speed Switch – Controls the speed of the fan and airflow through the system.
- 3) Processor Switch – OFF/LOW/HIGH. This switch controls the number of hydroxyl generating optics in operation.
- 4) Hour Meter – Quartz non-reversible indicator of accumulated hours of use.
- 5) Minihelic Gauge – Gauge which senses the static pressure through the 4 inch filter. Used to indicate when it is time to replace the 4 inch filter.
- 6) Processor Indicator (Green) – Indicates that the hydroxyl generating optics are on.
- 7) 15 Amp Breaker – AC power circuit protection for the Decon Scrubber.
- 8) 2 Amp Breaker – AC power circuit protection for the optic circuit.



OPERATING THE DECON SCRUBBER

POWER ON

The main power for the scrubber can be switched on by turning the MAIN POWER switch to the ON position.

POWER OFF

The main power for the scrubber can be switched off by turning the MAIN POWER switch to the OFF position.

FAN SPEED

The Decon Scrubber is equipped with an air mover fan, which runs between 750 and 1500 cubic feet per minute.

In order for the fan to turn on, the MAIN POWER switch must be in the ON position. Once the MAIN POWER switch is on, the fan speed can be controlled by rotating the FAN SPEED knob clockwise to increase the speed, or counter clockwise to decrease the speed.

PROCESSOR SWITCH

The Decon Scrubber is equipped with three hydroxyl generating optics. In order for these optics to turn on, the MAIN POWER switch must first be turned on.

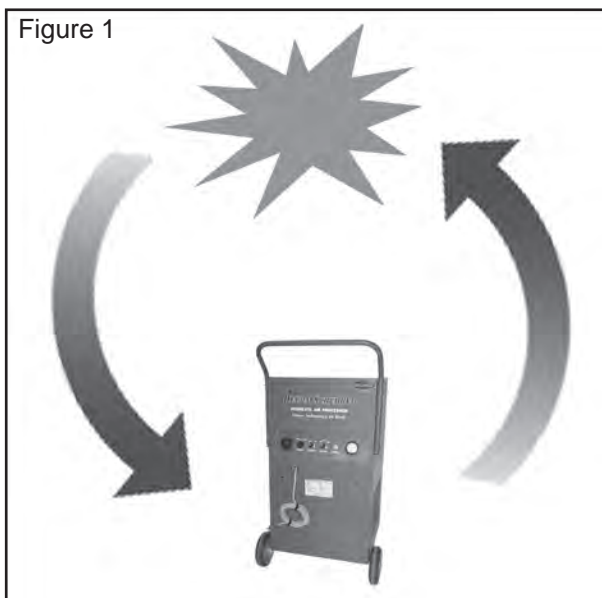
With the PROCESSOR switch in the OFF position, all optics are off.

With the PROCESSOR switch in the LOW position, two optics are on. The green PROCESSOR indicator will turn on in this position.

With the PROCESSOR switch in the HIGH position, all three optics are on. The green PROCESSOR indicator will turn on in this position.

The manner in which you position the Decon Scrubber can have a big impact on its efficiency. You may have to experiment a little to find the best position for the system. You should position the system as per (Figure 1) for efficient decontamination.

If you are using two or more systems, place them so they blow into the contaminated area to create a vortex. For example, if you are using two systems, place one on each side of the affected area (Figure 2).



CARING FOR YOUR DECON SCRUBBER

Warning: **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 machine 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 decals and the exterior finish. Care should also be taken to avoid spraying or otherwise directing detergent or water into or around electrical components.

Interior

The interior of the Decon Scrubber can be cleaned in the same manner as the exterior.

OPTIC CLEANING

Cleaning of the 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 (Isopropyl Alcohol strength of 70% or 90%) 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.

Step 1 - Turn "Main Power" switch to the "OFF" position

Step 2 - Unplug power cord from 120 volt receptacle

* NOTE - Use caution to pull from the plug and not from the cord

Step 3 - Remove 4 inch and 2 inch filters (refer to filter replacement instructions)

* **CAUTION** - Use clean leather gloves and eye protection when handling the optics in this unit

Step 4 - Remove optics (refer to optic replacement instructions)

Step 5 - Remove top panel by removing Phillips screws and gently pulling off panel

Step 6 - Use compressed air to blow out all compartments

Step 7 - Using a cleaning solution of 10% Isopropyl Alcohol (Isopropyl Alcohol strength of 70% or 90%) and 90% filtered or distilled water in a spray bottle, wipe down all interior components (and removed covers/panels) with clean lint-free towels

Step 8 - Clean optics with same solution and clean lint-free towels

* **CAUTION** - Optics are fragile. Take extreme care while holding and cleaning optics, as breakage or broken wires may occur.

Step 9 - Install clean optics (refer to optic replacement instructions)

Step 10 - Install new filters (refer to filter replacement instructions)

Step 11 - Re-install top panel

OPTIC REPLACEMENT INSTRUCTIONS

Step 1 - Turn "Main Power" switch to the "OFF" position

Step 2 - Unplug power cord from 120 volt receptacle

* NOTE - Use caution to pull from the plug and not from the cord



Step 3 - Gently lay Decon Scrubber down on the front side (side opposite handle)

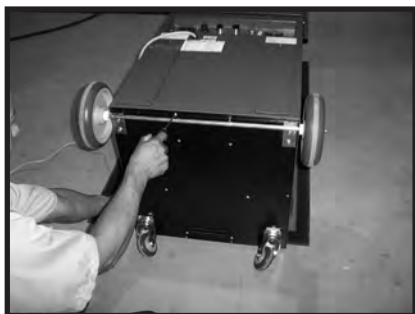
* NOTE - Ensure unit is set on a stable non-scratch surface

* CAUTION - Unit is heavy! Use proper lifting techniques and at least two people to avoid injury

Step 4 - Remove Phillips (Star) screws on bottom panel

Step 5 - Remove bottom panel and set aside

* CAUTION - Use clean leather gloves and eye protection when handling the optics in this unit

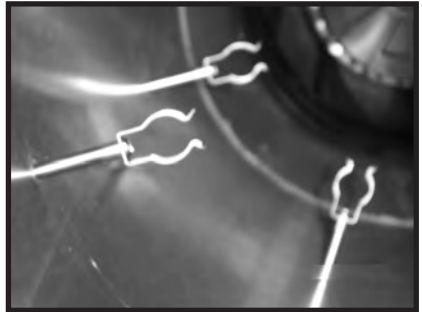


OPTIC REPLACEMENT INSTRUCTIONS

Step 6 - Disconnect optic to be replaced by holding the optic base with one hand, and the optic harness connector with the other hand. Gently 'wiggle' connector while pulling from the optic base.

Step 7 - Gently pull optic from three optic supports

* Note - Do not put any pressure on the side of the optic without support



Step 8 - Gently install new optic by pressing into the three optic supports

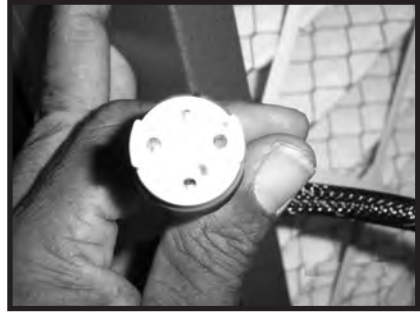
* Note - Portion of optic containing the connector must be side pressed into the optic supports



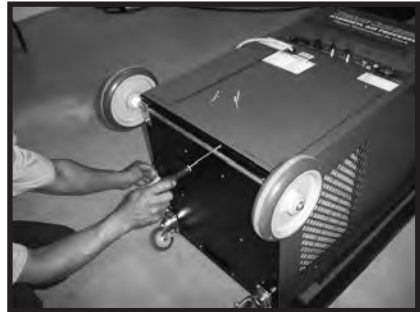
OPTIC REPLACEMENT INSTRUCTIONS

Step 9 - Re-connect optic connector

* Optic connector is keyed and will only connect in one direction. If unable to connect optic base with optic connector, rotate connector 180° and try again.



Step 10 - Re-install bottom panel with Phillips (Star) screws previously removed



FILTER REPLACEMENT INSTRUCTIONS

Main 4 Inch Filter

Step 1 - Turn "Main Power" switch to the "OFF" position

Step 2 - Unplug power cord from 120 volt receptacle

* NOTE - Use caution to pull from the plug and not from the cord



Step 3 - Remove the two top Phillips (Star) screws (or push and turn the phillips quarter turn fastener counter clockwise) on the main filter door

Step 4 - Swing top of main filter door down

Step 5 - Remove 4 inch filter

Step 6 - Install new 4 inch filter

* NOTE - Ensure proper filter direction with reinforcing mesh on top

Step 7 - Close main filter door and reinstall the two Phillips (Star) screws previously removed (or push and turn the phillips quarter turn fastener clockwise)



FILTER REPLACEMENT INSTRUCTIONS

2 Inch Pre-Filters

Step 1 - Turn "Main Power" switch to the "OFF" position

Step 2 - Unplug power cord from 120 volt receptacle

* NOTE - Use caution to pull from the plug and not from the cord



Step 3 - Remove the Phillips (Star) screw located at the top of the pre-filter door (or push and turn the phillips (Star) quarter turn fastener counter clockwise)

Step 4 - Pull the top of the pre-filter door out and lift off

Step 5 - Remove 2 inch filter

Step 6 - Install new 2 inch filter

* NOTE - Ensure proper filter direction with reinforcing mesh facing the inside of the unit

Step 7 - Reinstall the pre-filter door by first installing the tab portion of the door into the bottom of the opening



FILTER REPLACEMENT INSTRUCTIONS

Step 8 - Keep pressure on the bottom of the door while the top gets pushed in place

Step 9 - Reinstall Phillips (Star) screw previously removed (or push and turn the phillips (Star) quarter turn fastener clockwise)



SPECIFICATIONS AND WARRANTY

SPECIFICATION

Dimensions: 28" x 25" x 44" (71.1cm x 63.5cm x 111.8cm)

Weight: 125 lbs (56.7kg)

Power Requirements: 120 Volt AC, 12 Amp

Starting: 2-Position Switch

Fan Control: Variable Speed Control 750 to 1500 cfm

Meter: 1/10 Quartz Hour Meter

WARRANTY

HGI Industries, Inc. warrants that this Decon Scrubber (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.

CONTACT INFORMATION

For replacement parts, warranty service, or any questions regarding the operation and maintenance of your Decon Scrubber, please contact your local authorized dealer.

Please visit www.odoroxair.com.

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.