

## OPERATIONAL INSTRUCTIONS

1. One of the best features of the Odorox® hydroxyl generators is how easy they are to use and maintain. The 3 primary models used for commercial applications are the Boss XL3™ unit which has 3 hydroxyl generating optics and requires a supplemental air mover, and the Boss™ and Oasis+™ units which each have 2 hydroxyl generating optics and a self-contained fan.

**The Boss XL3™ hydroxyl generator (Figure 1) has a pressure switch and requires a separate air mover to activate the optics - it will not work without it.** When plugged in, the red light will come on to indicate the XL3™ has power. Place the intake of the air mover next to the XL3™ and turn the air mover on. Be sure the processor switch is set to either low or high. The green light indicates the optics have been activated and the machine is now producing hydroxyls. Axial fans typically do not work to turn on the XL3™.



Figure 1: Boss XL3™ with separate air mover.

Figure 2: Boss™ with self-contained fan.

**The Boss™ and Oasis+™ hydroxyl generators (Figure 2) simply plug in and turn on.**

2. The “High/Low Processor” setting is used as follows: Boss XL3™ high = 3 optics, low = 2 optics; Boss™ and Oasis+™ high = 2 optics, low = 1 optic.
3. The power requirement for the Boss XL3™ unit is 120VAC @ 1.6 amps (not including air mover), and for the Boss™ and Oasis+™ units is 120VAC @ 1.9 amps.
4. Coverage areas for each machine will range depending upon several variables. Refer to Coverage Table & Safety Guidelines for recommended usage. These are estimates only and can be affected by variables such as layout of structure, multiple floors, ceiling heights, stronger or lighter odors, contents on site, source removal, and time available to complete the project.
5. Always make sure the source of the odor is removed before turning off the Odorox® equipment.
6. Supplemental air movement is critical, so additional air movers should regularly be used. Create a vortex whenever possible to ensure the Odorox® hydroxyls are dispersed everywhere.
7. The length of time required to complete a project can vary, but most jobs will take an average of 3 to 4 days.
8. Monitor the generators at least once or twice a day to ensure they are performing properly.
9. When the job is complete, turn the Odorox® machines off first and keep the air movers on for about 15 minutes to air everything out. This is the best way to do a final “smell test” to be sure the job is done. Be sure to smell contents and structures, not just the air, as those will be the last areas where the odors are eliminated.
10. The Odorox® hydroxyl generators should be cleaned after each job. The doors should be removed and wiped down with a solution that is ten parts water and one part alcohol. The fan, chamber, and optics should all be cleaned with the same solution. Use latex gloves and a lint-free cloth when cleaning the optics. Never touch the optics with your bare hands, and never clean the machine while it is plugged in. The filter is washable with water. Be sure it is completely dry before putting it back in.
11. The power and electronics are rated for temperatures not to exceed 122°F (50°C).

## HELPFUL OPERATIONAL TIPS

1. Odorox® hydroxyl generators should be turned on at the beginning of jobs when odors are present. Conditions for crew and customers will improve immediately, and the deodorization can happen simultaneous to the physical cleaning instead of afterwards.
2. You can facilitate the distribution of hydroxyls into adjacent rooms by placing an Odorox® machine at the end of a hallway and setting additional air movers down the hall pointing into each room or office.
3. Open up all cabinets and drawers, space out hanging clothes in the closet, and don't stack items that need to be treated. Remember, if air can't get to an area, then the hydroxyls can't either.
4. Contents that are heavily damaged should be tented, placed as close to the machine as possible, or placed in an Odorox® hydroxyl chamber at your facility.
5. If the goal is general air purification in an area that does not have a severe problem, place the generator so it blows either into the middle of the room or into the HVAC return.
6. Filters on machines are designed to prevent major dust, soot, etc. from entering the Odorox® machines. Air scrubbers work well when used at the same time as Odorox® equipment in situations with heavy particulate.
7. When Odorox® machines are placed in small areas, you can open doors and turn on HVAC fans to help increase the treatment area and provide a better distribution of hydroxyls and other oxidants.
8. Nicotine and pet urine are difficult odors because it can be hard to fully remove the source. The Odorox® hydroxyl generators will be effective, but standard cleaning will still be necessary in areas that have significant or long-term residue.

## ATTENTION

Remember to wear UV protective eyewear if you open the chamber of the machine while it is running. Do not look directly at the UV light without this protective eyewear while the machine is on.

The Boss XL3™, Boss™, and Oasis+™ Odorox® hydroxyl generators produce ozone and other oxidants as byproducts. Only qualified and trained technicians should operate this equipment. Visit [OdoroxHelp.com](http://OdoroxHelp.com) or scan the QR code here for additional training resources and tips.

**The State of California requires the following label: "Solely for industrial use. Potential health hazard: emits ozone."**

## COVERAGE TABLE & SAFETY GUIDELINES

Odorox® Model	Number of UV Optics	Typical Coverage Areas for Moderate to Severe Odors	Do Not Use in Occupied Areas Less than*
Oasis+™	2	500 – 1,000 sq. ft.	200 sq. ft.
Boss™	2	750 – 1,250 sq. ft.	400 sq. ft.
Boss XL3™	3	1,000 – 1,500 sq. ft.	600 sq. ft.

\*It is important to note that job conditions may vary and should be properly monitored to ensure safe working conditions

## OPTICS REPLACEMENT

Machine Optics should be replaced after 4,000 hours of usage for optimal performance. To order contact us at:



<http://odoroxhelp.com>

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