



Environmental, LLC

OPERATIONAL INSTRUCTIONS

1. One of the best features of the Odorox® equipment is how easy it is to use and maintain. The two (2) primary models used for disaster restoration are the Boss Unit which has 2 optics and a self-contained fan, and the XL3 Unit which has 3 optics. The Boss simply plugs in and turns on.

The XL3 has a vacuum switch and requires a separate “snail air mover” to activate the optics. When plugged in the red light will come on. Then “snug” the snail air mover next to the unit (as pictured here) and turn the air mover on high before turning the processor on. The green light indicates the optics have been activated and the machine is now producing hydroxyls. Axial fans do not work



2. Coverage areas will vary. The Boss can generally treat up to 1,500 sq ft of moderate odor. The XL3 can treat up to 2,500 sq ft of moderate odor. Less coverage will be obtained in heavy odor conditions. These are estimates only and can be affected by numerous circumstances such as the room layouts, the number of floors, the type of odor, and the severity of the odor.
3. Always insure the source of the odor is removed.
4. Supplemental air movement is critical. Supplemental air movers should always be used and good air movement is critical. Create a vortex whenever possible to ensure the hydroxyls are going everywhere.
5. Be sure the environment that you are treating is contained. Keep windows and doors closed as much as possible. Create chamber-like environments.

6. The length of time required to treat a job will also vary based upon the severity of the odor, type of odor, and the number of machines used. Jobs can take anywhere from a few hours to a week to complete. In most cases, there will be a significant improvement after only 24 hours. Most jobs, however, should take three to four days to complete. .
7. Do not leave the equipment running longer than necessary. The restoration models are not designed to be used in clean environments. Eventually, they will clean the air so thoroughly that you may detect an oxidation smell that is most similar to chlorine. This smell will quickly dissipate if you open any doors or windows.
8. It is always important to remove the cold air return filter for the home or business HVAC system and put the fan in the permanent “on” position. This will ensure that the hydroxyls are being pulled through the duct system and deodorizing everything. The filter needs to be pulled so the hydroxyls don’t spend time cleaning a dirty filter.
9. Monitor the generators at least once a day to ensure they are performing properly.
10. When the job is completed, turn the generators off first and keep the air movers on for about fifteen minutes to air everything out. This is the best way to do a final “smell test” to be sure the job is done.
11. The power and electronics are rated for temperatures of approximately 122 degrees F (50 C).

HELPFUL OPERATIONAL TIPS

1. The Boss Unit is very effective in a more confined space. If the odor is especially noxious it is helpful to run the fan speed on low to increase the retention time in the chamber and increase the effectiveness of the hydroxyls.
2. In most restoration or heavy odor applications the Boss Unit is more effective without the filter. In situations with heavy particulate (i.e. construction) you may want to use the filters, and should keep them clean.

3. Because Odorox® is safe the first step on the job should be to turn on these units and let them begin to work. Conditions for crew and customer will improve immediately.
4. You can also “daisy chain” the movement of hydroxyls into adjacent rooms by placing a unit at the end of a hallway and additional air movers in the hall pointing into each room or bedroom.
5. If the goal is general 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. It can also be ducted directly into the HVAC system. 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 it the hydroxyls can’t either.
6. Contents that are heavily damaged should be tented or placed as close to the machine as possible
7. We recommend that contractors follow existing practices for mold remediation (i.e. IICRC S520 Standard and Reference Guide). Our units are best used after demolition and cleaning and must be run for a minimum of four days along with air scrubbers and appropriate HEPA filtration. Our machines can also be used during demolition to improve the odor and working conditions.
8. Nicotine and cat urine are difficult odors. Odorox® will be effective but standard cleaning will still be necessary in areas that have significant damage.

SAFETY

Remember to wear protective UV rated eyewear if for any reason you would open the chamber of the machine while it is running. Do not look directly at the UV while the machine is on.

The Boss and XL3 Units are heavy duty odor eradication machines intended for restoration applications and are to be used along with supplemental air movement and exchange. Current application guidelines provide that these instruments should be used in “occupied” areas greater than 500 sq ft. A full line of Odorox® models are available for home and business use.

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