



Professional Grade Duct-Mounted Ozone Generator with Airflow Sensor and 3 Ozone Plates



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OS5000D-052322

Congratulations, you have purchased a state-of-the-art duct-mounted ozone generator. It is designed to sanitize all areas that are serviced by the heating/cooling system by eliminating mold, mildew, bacteria, viruses, and odor. It has a variable ozone output, a countdown timer with a “hold” function, and an airflow switch which automatically turns the unit on when the air is circulating in the system.

WARNINGS

- **Disconnect power to the unit before servicing any part of HVAC system.**
- **Power supply can cause electrical shock and death.**
- **Disconnect power supply before cleaning or replacing ozone plates.**
- **Ozone plates are made of ceramic and if broken can cause personal injury.**
- **Take proper care when cutting holes or working with sheet metal as edges are sharp and can cause severe injury and death. Wear protective gloves, eye, ear and face protection.**
- **To prevent water damage or electric shock, do not mount unit under or near a humidifier.**
- **Unit is designed for indoor installation on a closed duct system.**
- **Be sure you are familiar with and are able to safely use all tools required for installation.**
- **High ozone levels are hazardous - monitor ozone levels carefully!**
- **Do not operate near water.**
- **Do not operate near flammable material.**
- **Do not allow children to operate.**
- **Do not modify unit in any way.**
- **Seek assistance from a licensed heating and cooling professional if necessary.**

How to Install the System

The OS5000D (unit) can be installed anywhere in the heating/cooling (HVAC) system. If your system is equipped with air conditioning, it is recommended that the unit be mounted on the return duct.

Selecting Mounting Location

- The OS5000D (Unit) can be installed anywhere in the heating/cooling (HVAC) system. If the system is equipped with air conditioning, it is recommended that the unit be mounted on the return duct. The OS5000D can prevent the growth of a high percentage of mold growth on cooling coils and drain pans.
- Unit must be mounted in the main trunk line that services the entire area to be treated. **CAUTION: Unit must be installed so the airflow in the HVAC flows parallel to the ozone plates or the efficiency of the system will be diminished.**
- Choose a location that will make changing/cleaning the ozone plates easy if possible.
- Install unit on a flat surface of the duct work that is at least 8 inches wide and 16 inches long.
CAUTION: 8" x 16" are the outside dimensions of the unit and the actual cut-out dimensions are smaller. **Do not cut the duct using these measurements.**
- The unit has a 6 foot long power cord and must be installed within reach of a 120 Volt grounded power outlet. Have a licensed electrician install a properly grounded power outlet if there is not one within range of the power cord. **Do not use extension cords.**
- **CAUTION: DO NOT** install the unit in the "A coil" or near a humidifier as damage may occur. If you are unsure if you have chosen a correct mounting location, refer to your HVAC system's owner's manual or call a licensed heating/cooling professional for assistance.

Included:

- OS5000D with 3 Ozone Plates (Pre-installed at Factory)
- 10 Sheet Metal Screws
- Spare Fuse
- Instruction Manual

Tools Required For Installation:

- 1/4" Nut Driver
- Tin Snips
- Flat Head Screwdriver
- Hammer

Duct work Hole Cutting Instructional Video

View On YouTube
youtu.be/dQq3ebRtYrk



Installing Unit in Duct Work

CAUTION: Be sure to wear hand and eye protection as pieces may be sharp.

1. Turn off the power to the HVAC system.
2. Cut a rectangular hole 6 1/2" x 14". The 14" cut should be made in the direction of the air flow.
CAUTION: Unit must be in an orientation so the airflow in the HVAC flows parallel to the ozone plates or the efficiency of the system will be diminished.
3. Insert the unit into the metal duct work - be careful when inserting unit as wires are exposed and can be damaged by sharp edges. Secure using the 10 sheet metal screws. The unit has a factory installed gasket that ensures a tight seal between the unit and the duct work. Be sure the unit is flat against the duct work on all sides. **CAUTION:** Do not overtighten screws.
4. Turn on the power to the HVAC system.
5. Plug the OS5000D into a grounded 120 volt power outlet.
6. It is now operational and does not need to be unplugged unless the ozone plates are being cleaned or replaced. **Note:** The unit comes from our factory with the ozone plates already installed.

Overview

CAUTION: Ozone levels must be monitored in all occupied spaces as high ozone levels can be hazardous to the health of people and pets. **It is the user's responsibility to verify the ozone concentrations in all areas.** Please use ozone tests strips and/or an ozone meter to accurately test the area regardless of the timer or ozone output settings.

NOTE: The OS5000D is equipped with an airflow switch and will not turn on unless it senses air moving in the HVAC system.

Timer - The OS5000D has a timer with 2 options:

- **Constant on (Hold):** Allows the unit to run continuously when the dial is placed in the "Hold" position. In this position it will run whenever the blower is circulating air. If a continuous treatment is desired, simply set the thermostat fan switch to "on" and the unit will run as long as the blower is on.
- **Countdown:** Allows the unit to run for a desired amount of time between 1hr and 12hrs. Note: The timer will only countdown when there is air flowing in the system. For example: setting the unit for a 4hr treatment may actually take an entire day depending on how often the system runs. If a continuous 4hr treatment is desired, simply set the thermostat fan switch to "on" and the unit will shut off after 4hrs.

Ozone Output:

The OS5000D is equipped with a variable ozone output. Rotate the dial clockwise to increase ozone output and counter-clockwise to decrease ozone output.

Note: A higher Ozone Output setting will sanitize the space more quickly. The amount of time necessary to eliminate pollutants depends on how strong the odors are. The effect of ozone will vary depending on conditions such as the size of the space and the severity of the odors. Temperatures below 70°F or high humidity levels may reduce ozone effectiveness. A dehumidifier may be used in conjunction with the ozone generator to help maximize the effect.

Setting Up The System

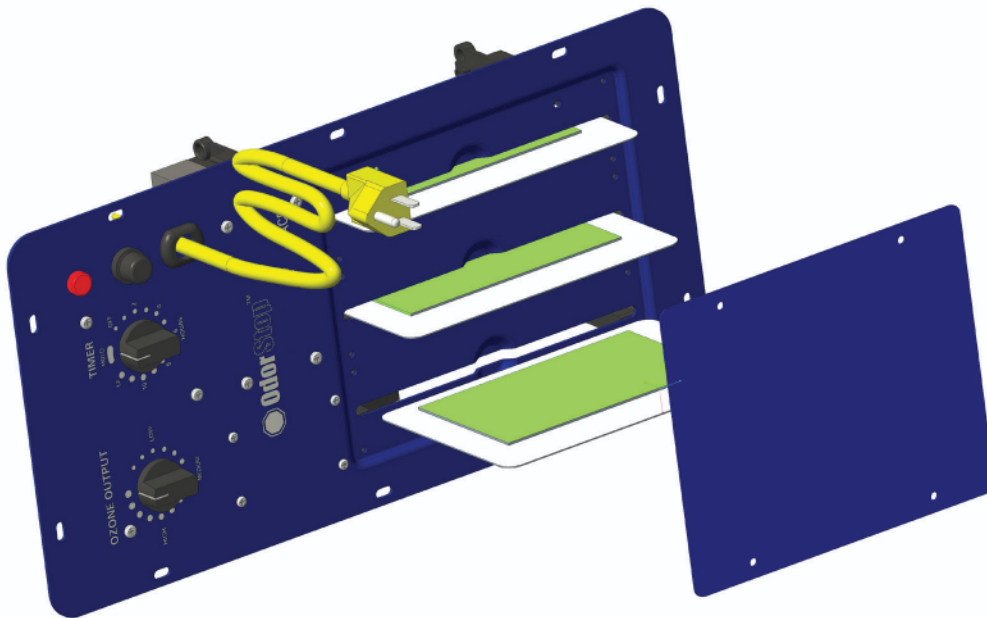
Ozone is a very effective sanitizer and will remove odors, bacteria and viruses from the air at very low concentrations. Make sure to test the ozone levels in each room as there may be higher levels of ozone in different rooms. Safe ozone levels can be found at the Environmental Protection Agency (EPA) website and may change without notice.

1. Turn the thermostat fan switch to the “on” position. Verify that air is circulating in the system.
2. Turn the timer on the OS5000D to the “Hold” Position.
3. Allow the unit to run and turn the variable ozone output to the lowest position (all the way to the left and counter-clockwise). With the HVAC system and the unit running, turn the ozone output dial clockwise one position (dot) each hour until you start to notice ozone (ozone has a very unique and chlorine-like smell). As you turn the dial clockwise, you are increasing the ozone concentrations and should begin to notice the smell of ozone. Once ozone is detected in the treatment area, immediately test the area using ozone test strips or a meter to make sure that levels are safe.

After the areas are tested and found to be at safe ozone levels, the setup is complete. You may wish to run the HVAC system and unit for a longer time to initially sanitize the area. If using this method, be sure to monitor levels carefully as a longer/continuous run time will increase ozone levels in the treatment areas.

4. Turn the thermostat fan switch back to the “auto” position. Note: HVAC systems tend to run more often in the winter and summer and concentrations will be higher the more often the unit is running.

CAUTION: Ozone levels must be monitored in all occupied spaces as high ozone levels can be hazardous to the health of people and pets. **It is the user’s responsibility to verify the ozone concentrations in all areas. Please use ozone tests strips and/or an ozone meter to accurately test the area.**



Ozone Plate Cleaning and Replacement

Exercise caution when changing/cleaning ozone plates.

1. Turn off the power to the HVAC system and unplug the OS5000D.
2. Remove the 4 black headed thumb screws and remove the service panel. Next, remove the ozone plates.
3. Spray the ceramic plate using a grease cutting detergent, such as 409, or a dish washing detergent. Gently scrub with a soft brush, such as a toothbrush. Rinse plates thoroughly in hot water and dry completely. Ozone plates are made of ceramic and if broken can cause personal injury.
4. Reinstall ozone plates, making sure they are pushed in completely.
5. Replace the service panel and reinstall the 4 thumb screws.
6. Turn the HVAC system power on and plug the OS5000D back into a 120 volt grounded power outlet.

Troubleshooting

PROBLEM	POSSIBLE CAUSE/SOLUTION
Unit does not turn on	<ul style="list-style-type: none">• Timer switch not turned on – turn on• No Airflow – turn fan to “on” position• Unit is not plugged in - plug in
Unit turns on but does not make ozone	<ul style="list-style-type: none">• Dirty ozone plates - clean• Ozone output on low – turn up• Cracks in plate(s) - replace• Broken fuse - replace
Crackling noise	<ul style="list-style-type: none">• Ozone plate(s) is/are broken - replace
No "buzzing" sound is detected	<ul style="list-style-type: none">• Ozone plates(s) is/are broken or dirty - clean/replace

For problems not listed above, contact our service department at 1(888) 956-7468.

Limited Warranty

OdorStop warrants to the original purchaser that this purifier is free from any defect in materials and workmanship for two (2) years from the date of purchase. OdorStop will replace or repair the unit without charge to the customer. This warranty does not include ozone plates.

To obtain warranty service please return the purifier in a suitable package to:

OdorStop Customer Service
5139 Southwestern Blvd.
Hamburg, NY 14075

