



OSAP7 HEPA Air Purifier



OdorStop, LLC
5139 Southwestern Blvd,
Hamburg, NY 14075 USA
Phone: 1 (888) 956-7468
Fax: 1 (716) 648-6406

www.OdorStop.com

Purchase Date: _____

Serial Number: _____

Purchased From: _____

© Copyright 2017. OdorStop, LLC

OSAP7-062217

WARNING - RISK OF ELECTRICAL SHOCK AND DEATH

READ INSTRUCTIONS CAREFULLY BEFORE USE

- Disconnect power before servicing any part of unit.
- Power supply should be 120V and must be a grounded outlet.
- Power supply can cause electrical shock and death.
- Do not bypass ground wire cord.
- Disconnect power supply before cleaning or servicing.
- Never operate unit near water of any kind.
- Unit is designed for indoor use only.
- Children or adults with reduced capacity should not operate unit

Congratulations

You have purchased a state of the art air purifier. The OSAP7 is designed to give years of trouble-free service if cared for properly. It utilizes seven proven technologies in order to provide users with the highest quality air possible:

1. **Pre-Filter:** This filters out larger particles and dust before it enters the unit.
2. **HEPA Filter:** This filter traps harmful particles. The OSAP7 has a true HEPA that filters contaminants to a level of 0.3 microns. This includes filtering of dust mites, viruses, bacteria, and even mold spores.
3. **Active Carbon Filter:** This filter uses a bed of activated carbon to remove contaminants and impurities, using chemical absorption.
4. **TiO₂ Photocatalytic Filter:** This filter combined with the UV light creates a process called photocatalytic oxidation (PCO). PCO is an advanced process by which volatile organic compounds (VOC's), bacteria, mold, and fungus are destroyed by incorporating photon and UV energy, activating a chemical reaction effectively "oxidizing" (or burning) the pollutant.
5. **Ionizer (Anion):** The ionizer creates negative ions that attach to positively charged particles in the room, such as dust, bacteria, pollen, smoke, and other allergens to significantly reduce airborne particles and clean the air. Negative ions are oxygen atoms charged with an extra electron. They are created in nature by the effects of water, air, sunlight and are most prevalent in natural places and particularly around moving water or after a thunderstorm. The OSAP7 needlepoint ionizer creates negative ions using electricity and then discharges them into the air. This function turns on whenever the unit is on. **NOTE:** The ionizer can create a slight static electric discharge similar to touching a doorknob in the winter.
6. **UV Light:** The UV light kills a high percentage of microorganisms such as bacteria and viruses. Ultraviolet light occurs naturally and kills microorganisms by destroying nucleic acids and disrupting their DNA. This function can be turned on or off as desired. To turn on the UV light, press the UV button. A blue light on the instrument panel confirms proper operation.

7. **Ozone:** Ozone attaches to and oxidizes odor, bacteria, and viruses to create clean, fresh air. Ozone is formed naturally by atmospheric electrical discharges and is present in low concentrations throughout the Earth's atmosphere. The OSAP7 uses a process called corona discharge to create ozone, also referred to as "active oxygen". This function has four levels and can also be turned off. Use the Ozone Up and Ozone Down buttons to set the desired output level. Ozone should only be used in unoccupied spaces.

OPERATING INSTRUCTIONS

1. Turn the Master Power Switch on the back of the unit to the "ON" position and then switch the unit on by pressing the "Power/Anion" button on the front of the unit. NOTE: The Master Power Switch should only be turned to the "OFF" position when trying to power the unit off for maintenance if you cannot unplug the unit. Turning the Master Power Switch off will also clear the clock and all timer settings.
2. Press "Fan ▲" or "Fan ▼" to adjust airflow speed.
3. Press "Ozone ▲" or "Ozone ▼" to adjust the level of Ozone. There are five settings, ranging from off to the highest setting (IV). The higher settings should only be used for very severe odors/sanitizing and should be used in unoccupied spaces only.
4. Press the "UV" button to activate the Ultraviolet light. This light should always be on as it works in conjunction with TiO₂ photo-catalytic filter and assists in reducing unwanted contaminants and odors. The blue UV indicator light on the front panel verifies the UV light is on.
5. "Time/Set" is used to set and adjust the timer and optional Unit Timer Ozone Timer. Both are described in detail in the next section. You will not be able to use the timer function on the unit unless you have set the time.

SETTING THE TIME

The OSAP7 employs a standard U.S. 12 Hour AM/PM clock.

To set the clock to the current time:

1. Press the "Time/Set" button once and the hour and minutes will begin to flash.
2. While the numbers are flashing, press "Fan ▲" or "Fan ▼" to set the hour and the "Ozone ▲" or "Ozone ▼" to set the minutes.
3. After you adjust to the correct time, press the "Time/Set" button to save. The timer will flash for 3 seconds and the correct time will be displayed.

UNDERSTANDING THE UNIT / OZONE TIMERS

The OSAP7 is equipped with a Unit Timer and an Ozone Timer. The Unit Timer controls the entire unit and will turn on and off at the set times each day. Once set, the unit will turn ON and OFF automatically each day at the programmed times. The Unit Timer will start the unit with the Fan, UV, and Ozone settings that are displayed on the control panel. The Ozone Timer allows the ozone function to be independently turned on and off, but can only be used with the Unit Timer. The Ozone Timer should be used if you desire to have the ozone function used for only a portion of the time that the entire unit operates. This would be desirable to keep an area sanitized while away. For example, the Unit Timer could be set to turn on for six hours each day while the Ozone Timer only turns the ozone function on for two hours. Please Note: Ozone should only be used in unoccupied spaces.

SETTING THE UNIT / OZONE TIMER

1. Make sure the air purifier is set to the correct time and is not running.
2. Set desired output on all functions including the Fan, UV and Ozone output. Note: If no ozone output is desired, make sure ozone is in the “Off” position. To select the “OFF” position, simply push the “Ozone ▼” button until there are no blue LED lights illuminated under the roman numerals on the control panel.
3. Decide when you would like the unit to turn on and off. Next, press the “Time/Set” button twice and the “Unit Timer/ON” icon will begin to flash on the LCD screen. Use the “Fan ▲” and “Fan ▼” button to set the hour and the “Ozone ▲” and “Ozone ▼” button to set the minute. Once the desired start time is selected, press “Time/Set” again and “Unit Timer/OFF” will begin to flash on the LCD screen. Please note that if there is no activity for 3 seconds the current time will re-appear on the LCD and the “Time/Set” procedure will need to be started over.
4. While “Unit Timer/OFF” is flashing, use the “Fan ▲” or “Fan ▼” button to select the hour and the “Ozone ▲” and “Ozone ▼” button to select the minute you want the air purifier to shut off. If you desire to use the Ozone timer, continue to step 5. If you desire to use the unit without the Ozone Timer, simply press “Unit Timer” and the programming process is complete. The red LED light on the control panel under “Unit Timer” will begin to flash, verifying that the Unit Timer was programmed properly.
5. Press “Time Set” button again and “Ozone Timer/ON” icon will begin flashing on LCD screen. Use the “Fan ▲” and “Fan ▼” button to set the hour and the “Ozone ▲” and “Ozone ▼” button to set the minute. Once the desired start time is selected, press “Time/Set” again and “Ozone Timer/OFF” will begin to flash on the LCD screen.
6. While “Ozone Timer/OFF” is flashing, use the “Fan ▲” and “Fan ▼” button to select the hour and the “Ozone ▲” and “Ozone ▼” button to select the minute you want the Ozone to shut off. Press “Time Set” once more to complete the process.
7. Press “Unit Timer” and “Ozone Timer” and programming is complete. The red LED lights on the control panel under “Unit Timer” and “Ozone Timer” will begin to flash, verifying that the Unit Timer and Ozone Timer were programmed properly.

Caution: The OSAP7 is equipped with 3 ozone plates and the ozone output is very high – Use only in unoccupied spaces.

FREQUENTLY ASKED QUESTIONS

Q. What does the OSAP7 HEPA Air Purifier do?

A. It treats the air in your home or office by removing airborne contaminants such as smoke, dust, pet dander, pollen, dust mites, and the odors associated with them, leaving fresh, clean air. The OSAP7 HEPA Air Purifier has 7 proven technologies that all work to ensure the air you breathe is as clean and odor free as possible.

Q. Where should I place the Air Purifier in my home or office?

A. The Air Purifier should be placed in the central location of your home, preferably a big open area, such as a living or dining room. It is not designed for a single room use. However, if there is a particular room/area that needs to be sanitized, you can place the air purifier there first for a few days until the problem has been corrected, and then return it to recommended location. Place the unit at least four feet off the ground or higher for better performance.

Q. How long will the Air Purifier last?

A. The OSAP7 is made of the highest quality materials and craftsmanship. Properly cared for, it will offer years of trouble-free service.

Q. Is it difficult to set up and start using?

A. No. See the back of the manual for the quick start guide.

Q. What is ozone and is it safe?

A. Ozone, or activated oxygen, is created naturally and is called “nature’s sanitizer”. It can be smelled in the environment and is most noticeable after a thunderstorm. Ozone is safe, but the concentration is the issue. Ozone in very high concentrations is not necessary and can even be somewhat irritating. We recommend you set the ozone level properly and only use this function while unless you are away. Before using your Air Purifier, please read the enclosed instructions carefully.

Q. What is an ozone alert?

A. Ozone alerts are a result of high levels of pollution resulting from hydrocarbons produced by the burning of fossil fuels. When ultraviolet rays from the sun strike hydrocarbons, ozone is one of the by-products. Once the conditions reach a level high enough to affect people with compromised respiratory systems, a warning is issued.

Q. How does nature produce ozone?

A. Ozone is found everywhere outdoors. It is naturally created every day during sunshine, thunderstorms, lightning, and other natural events. The fresh, sweet smell after a thunderstorm is abundance of ozone in the air. Rain, waterfalls, and waves of the ocean also create ozone.

Q. How does the ozone function compare to how air filters work?

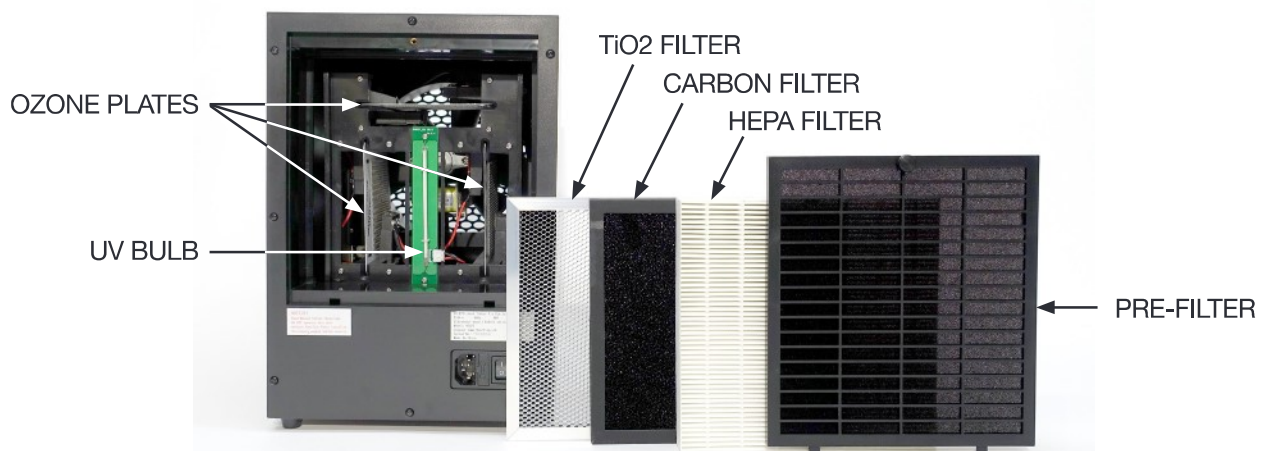
A. Filters require every bit of air to be treated to pass through the filter. With ozone, it is not necessary for air to actually pass through the unit for to be cleaned like an air filter. Instead, to treat severe and persistent odors, the OSAP7 produces ozone which eliminates mold, bacteria, viruses, and odor.

Q. What is the advantage to using the ozone function on the air purifier?

A. The OSAP7 dispenses ozone into the room to kill odors, mold, bacteria, and viruses at their source. Ozone can treat a very large area with heavy odors and other contaminants in a very short period of time. This process is unparalleled in its ability to sanitize an area but should not be used while people are in the area.

Q. How should I use the ozone function and when?

A. Use the ozone function to remove heavy odors or to sanitize an area. Simply set the desired ozone output and place the OSAP7 in the center of the area to be treated. It also helps to use a fan to distribute the ozone to the corners of the area. To treat an entire house/condo, consider placing the unit near an air intake if your home has a central air conditioning/heating system. This will distribute the ozone evenly throughout the entire area and leave fresh, clean air.



CLEANING & MAINTENANCE

NOTICE: UNIT SHOULD BE UNPLUGGED BEFORE PERFORMING ANY SERVICE

In order to keep your OSAP7 running at the highest possible effectiveness, it is recommended that you perform the following procedures every 50 hours of use:

1. Shut OSAP7 off and unplug from the outlet.
2. Carefully remove the Pre-Filter, HEPA filter, Charcoal filter, TiO2 Photocatalytic Filter and Ozone Plates from the back of the unit. This is easily done by removing the black retaining screw that holds the pre-filter in place. Next, remove four Phillips screws that secure the fan grill to the unit, and carefully remove the front fan grill.
3. Clean the Filters: Use a vacuum with a soft bristle end to remove any debris from both sides of all filters. Compressed air from a can or air compressor can also be used to gently blow any debris from the filters. NOTE: The HEPA and Pre-Filters can also be rinsed with water. Please make sure they are completely dry before re-installing.
4. Clean the Ozone Plates: Use any type of degreaser and a soft brush (toothbrush) to gently clean off any debris from the plates. Rinse under water and dry completely. Be careful when handling plates since they are fragile.

5. Clean the UV light bulb: It is located in the back housing between the two vertical ozone plates and is attached to a green fiber board with a small white wire attached to the bottom right. Use a Q tip or cotton swab dipped in rubbing alcohol to clean any dust off the UV bulb.
6. Clean the Ionizer: The ionizer is a small wire that protrudes down from the top of the fan housing. Use a Q tip or cotton swab dipped in rubbing alcohol to clean any dust off the ionizer.
7. Clean Fan Blade: Take a damp cloth and gently wipe the fan blade.
8. Clean the Front Fan Grill: Clean with soap and water, and dry completely.
9. Re-install all filters, ozone plates, and the front fan grill. Make sure not to overtighten the screws.
10. Plug OSAP7 into a grounded outlet and the unit is ready for use.

Please note: It is recommended that all filters, ozone plates and the UV bulb be replaced every 1000 hours of use. Please visit www.OdorStop.com for replacement parts or call 1(888)956-7468

TROUBLESHOOTING

Unit will not turn on:

- Make certain the outlet is 120V and has power.
- Make certain that the power cord is fully inserted into the back of the unit and the wall outlet.
- Make certain the Master ON/OFF switch on the back of the unit is in the “ON” position. You can verify this by making sure the red LED light on the front of the unit is illuminated and that the LCD screen is visibly on.
- Make certain the pre-filter on the back of the unit is on and secured with the black retention screw. The unit has a safety switch and will not turn on unless the pre-filter is on.
- Check the fuse. The fuse is located on the back of the unit between the power cord socket and the Master ON/OFF switch. Replace only with a 1 AMP 250V “fast acting” fuse, available at any home improvement store.

Ozone is working but output seems low:

- Make sure plates are installed properly.
- Clean or replace ozone plates if necessary.
- Check plate alignment making sure each ceramic plate has been inserted fully and correctly.

Remote control will not work:

- Check batteries and replace if necessary. Batteries are accessed from the back of remote.
- Make sure to aim the remote control at the unit when trying to use.

LIMITED WARRANTY

OdorStop, LLC warrants to the original retail purchaser of this UV Air Treatment System (the “unit”) against any defect in materials and workmanship as follows: For three (3) years from the date of retail purchase, OdorStop, LLC, at its option, will replace or repair the unit without charge to the customer. Any repair or replacement of the unit will be warranted only for the balance of the original warranty period or ninety (90) days, whichever is greater. The following will void and/or are not covered under this limited warranty: a) Damage caused by improper use or improper installation, b) Fuses, Filters, Ozone Plates and UV bulb(s), c) Disassembling of the unit for any reason, d) Cosmetic damage or any damage caused by misuse, improper maintenance, connection to improper voltage supply, accidents, acts of God, abuse, negligence, damage caused during shipping, modifications, or attempted repair by anyone other than OdorStop, LLC, e) Alteration or removal of factory-applied serial number. This limited warranty is not transferable to any subsequent purchaser or owner of the unit.

TO OBTAIN WARRANTY SERVICE: Return the unit in suitable packaging, postage prepaid, to OdorStop, LLC International, 5139 Southwestern Blvd, Hamburg, NY 14075, and include (a) proof of retail purchase, (b) the date of the failure and (c) a description of the failure.

The obligations of OdorStop, LLC herein are granted in lieu of all other warranties, expressed or implied, including but not limited to the warranties of merchantability of fitness for a particular purpose. The remedy provided in this warranty is exclusive and is granted in lieu of all other remedies. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

QUICK START INSTRUCTIONS

- 1) Located the black retaining screw that holds the pre-filter on the back of the purifier. Unscrew it and carefully remove the Pre-Filter, HEPA filter, Charcoal Filter and TiO₂ Photocatalytic Filter.
- 2) Remove the ozone plates from the white carton and install them into the two vertical and one horizontal ozone plate receptacles located in the housing. The plates must be fully inserted and should fit firmly in place with no side to side movement.
- 3) Re-install the filters and replace the black retaining screw. **NOTE:** The purifier will not work without the pre-filter installed as it is designed with a safety switch which prohibits operation without it.
- 4) Install the power cord into the socket on the rear of the unit and toggle the power switch on the into the “ON” position. “ON” is when the line is depressed and “OFF” is when the circle is depressed. The red LED light on the front panel verifies the unit is on.
- 5) Install 2 AAA batteries into the remote control. Remove cover from the back of the remote by sliding it off and then install the batteries as directed on the remote.
- 6) Press the “Power/Anion” button on the front of the unit.
- 7) Press “Fan ▲” or “Fan ▼” to adjust fan to desired speed.
- 8) Press the “UV” button to activate the Ultraviolet light. This light should always be on as it works in conjunction with TiO₂ photo-catalytic filter and assists in reducing unwanted contaminants and odors. The blue UV indicator light on the front panel verifies the UV light is on.
- 9) Press “Ozone ▲” or “Ozone ▼” to adjust the level of Ozone. There are five settings, ranging from off to the highest setting (IV). The higher settings should only be used for very severe odors/sanitizing and should be used in unoccupied spaces only.