Air Purification Unit

MODEL 300/A

USER GUIDE

Because You Care,
Clean the Air

Please read all of the informations provided in this user's guide before operating your new air unit.

WARNING

This air unit is not a medical device. Do not stop or alter any medical therapy programs or medications without the advice of your physician. Excessive ozone concentrations may cause mucous membrane or respiratory irritation.

CAUTION

RISK OF ELECTRICAL SHOCK
DO NOT OPEN

ATTENTION

Caution : TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE BACK COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

This "exclamation point" calls attention to a feature for which you should read the enclosed literature carefully to prevent operating and maintenance problems.

This "bolt of lightning" indicates that insulated material within your unit may cause an electrical shock. For the safety of everyone, do not remove product covering.

Caution: This unit is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision concerning use of the unit by a person responsible for their safety.
Children should be supervised to ensure that they do not play with the unit.

from the sun strike hydrocarbons, O_3 is one of the by-products. Ozone is easily detected and is sometimes used as a reference point for the level of pollutants.

Q. How does it compare to air filters?

A. Air Purifier does not rely on the air to actually pass through the machine to be cleaned like air filters. It's not a filter at all. Air Purifier produces both activated oxygen, which reduces odors and negative ions, which settle out particulate.

Q. Is ozone safe?

A. Yes, but moderation is the key. Ozone in very high concentrations can be irritating to mucous membranes and the respiratory system. We recommend you set the O_3 dial properly. Before using the Air Purifier you should read the enclosed instructions carefully. Refer to Using a Timer section.

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

A. The Air Purifier should be placed in the room where you have the most pollutants. The Air Purifier is easy to move so you might want to try it in a couple of locations to help decide what works best for your environment. An elevated location is better to distribute ions and activated oxygen more evenly. Air Purifier works best if it is placed within 10 feet of a cold air return.

Q. How long will the Air Purifier last?

A. The Air Purifier is made of stainless steel and solid wood construction. Because of the quality material and superior craftsmanship that goes into each Air Purifier you will enjoy it for many years.

Q. Is it difficult to install?

A. No. Just install O_3 plates (located in separate box packaged inside the carton), plug it in and set the dial for the area you will be treating. Install the Air Purifier in any room, but try to find a place where it can be up off the ground four feet or more. Some customers prefer to have more than one unit to better control levels of activated oxygen in the home.

COMMONLY ASKED QUESTIONS

Q. What does the Air Purifier do?

A. It treats the air in your home or office by breaking down odor causing pollutants and dropping airborne particulate from your breathing space.

Q. How does the Air Purifier treat the air?

A. The Air Purifier produces ozone and negatively charged ions, the same effective cleansing agents that nature uses to treat outdoor air.

Q. How does the Air Purifier work?

A. It is a two-stage process

1. The Air Purifier uses a needlepoint ionizer to drop dust, smoke and other harmful particles from the air we breathe. In our homes and offices there is a lack of negative ions and an abundance of positive ions. The buildings we spend most of our time in block out the natural occurring negative ions. The Air Purifier recreates the natural balance of positive to negative ions to significantly reduce airborne particulate.
2. The Air Purifier uses electricity to split oxygen O_2 molecules into single O_1 atoms, which attach loosely to other O_2 molecules to become O_3 (activated oxygen). This loosely attached oxygen atom is unstable and seeks to bond with chemical compounds and other odor causing pollutants in order to oxidize them.

Q. How does nature produce ozone?

A. Ozone is created electrically during active thunderstorms. The electrical discharge creates a fresh sweet smell. The ultraviolet rays of the sun striking hydrocarbons in our atmosphere also create ozone.

Q. How does nature produce ions?

A. Waterfalls, lightning, and the waves of the ocean all create negative ions.

Q. What is an ozone alert?

A. Ozone alerts in cities are a result of the high pollution levels of hydrocarbons produced by the burning of fossil fuels. When ultraviolet rays

Congratulations on your purchase. You have obtained a state-of-the-art air purification system with stainless steel construction and solid wood cabinetry. Only the finest materials surround the finest air purification technology. We hope that you will enjoy your purchase for years to come.

Read ALL instructions carefully before using this product

FOR YOUR RECORDS

Please record the model and serial number below, for easy reference, in case of loss or theft. These numbers are located on the back panel of your air purification unit. Space is also provided for other relevant information.

Model number _____

Serial Number _____

Date of Purchase _____

Purchased From _____

Understanding the Air Purifier
(Front View)

PART	FUNCTION
Ionizer ON/OFF & Fan Speed	On/Off control switch activates needle-point ionizer and controls the fan speed. The unit will not function unless the ionizer control is on.
Ozonator	Start O_3 on low then increase 1 increment every 2 hours until you walk into the room and smell O_3. When you smell the O_3, turn back 1 increment. O_3 production can be turned on and off as desired.
Fan Grill	Removable fan grill. Wash with warm soapy water, dry completely before replacing. **(Unplug unit before removing)**

Control for the negative ion generator is separate from the O_3 control. Negative ions can be created around the clock to keep down dust and particulate.

O_3 also known as activated oxygen is normally kept at modest levels in occupied spaces. To remove heavy odors, the units may be adjusted to a higher level for a period of time. Some use a timer to completely deodorize the home or office while away. Unused O_3 reverts back to O_2 in about an hour.

CLEANING & MAINTENANCE

When the purifier no longer produces enough ozone to be effective, the ozone plate should be cleaned. A good rule of thumb is every month. Some environments cause ozone output to be reduced in a shorter time but other environments may take longer.

To clean a plate, first turn the unit **Off** and **unplug** from outlet. Then remove the 4”x4” plates from back of unit. Pull plates firmly in the center to remove from the slot. With plate firmly supported in the hand apply a solution of warm water and ammonia (50/50 solution is suggested) or a strong grease cutting detergent. Scrub with a stiff brush if necessary. Be careful not to drop the plate or scrub off the silicon. Clean both the metal screen and the ceramic tile. Rinse plate in hot water and **dry completely** before installing. If available you may use a hair dryer to dry the plate. Reinstall plate, making sure it is secured and flush with the back of the unit. Plug unit into a grounded electrical outlet, turn unit on and start enjoying clean fresh air.

To clean needlepoint ionizer, first turn **Off** and **unplug** from outlet. Remove the fan grill cover. The needle point ionizer will be easy to find in front of the fan by looking for two pieces of wire. Take a q-tip or cotton swab dipped in alcohol and clean any dust that may have accumulated on the needlepoints. This process may be done when plates are being cleaned. While you have the front grill cover off the unit you may also clean the fan and grill itself. To clean the fan simply wipe the blades with a damp cloth or vacuum. The grill cover may also be cleaned with warm soapy water. Be careful that the fan grill cover is completely dry before installing.

TROUBLESHOOTING

If you suspect a problem with your unit check the following:

- Make sure plate is clean (see above).
- Unit is plugged in properly and turned on.
- Check the fuse to make sure it is installed properly and not burned out. To replace fuse, push in and turn fuse holder to the left, remove old fuse, replace with spare. Use 1 amp fuse, 1.25 inches long.
- Wall outlet is active
- Check plate alignment making sure the ceramic plate is almost flush with back of unit.
- It is important that the Air purifier be properly grounded to avoid potential shock.

If the fan is not operating or after cleaning the plate no buzzing sound is detected on the high setting of the O_3, please contact your local dealer.

Caution: No attempt should be made to remove the back panel of the unit, as there are no user serviceable parts.

USING A TIMER

Some users who are sensitive to ozone set their units up on a timer so that the purifier does its work only when they are away from home. This allows for a higher setting and higher concentrations, which can be more effective for purging purposes. The ozone will normally dissipate in less than an hour after the purifier is turned off. Simple timers plug into an outlet and are available at hardware and variety stores.

WHERE TO USE?

- Homes & Living Areas
- All types of offices & stores
- Water & fire damaged areas
- New paint & wallpaper areas
- Odor clean-up
- "Sick" buildings
- Hospitals & nursing homes
- Veterinary offices
- Smoking areas
- Hotel rooms
- High pollen environments
- New carpet furniture & Rooms
- Kitchens
- Attics & basements
- Laundry rooms
- Doctors' offices
- Day care centers
- Stables & aviaries
- Locker rooms
- Restaurants & bars

SERVICE

Should you determine that your air unit requires service, please contact your local dealer.

WARRANTY

Understanding the Air Purifier
(Back View)

PART	DESCRIPTION
Plate receiver slot	Allows insertion and removal of ceramic plates for cleaning
Fuse Holder	Houses removable fuse. (Spare fuse included, 1 amp, 1.25 inch)
Power Cord	120 Volt grounded cord (unless otherwise specified). DO NOT bypass ground wire cord.
Ceramic Plate	Removable ceramic plate. Wash with ammonia & water using a stiff brush or toothbrush. Rinse thoroughly and dry completely before replacing.

NOTE: As you stand in front of the unit the ionizer will create a slight charge. If you then touch a metal object there may be a static electric discharge similar to touching a doorknob in winter.

OPERATION / INSTALLATION

- Install the O_3 plates in the plate receiver slot (see diagram on previous page)

- Start with the Air Purifier on its lowest O_3 setting and turn the O_3 dial "up" as necessary. The ideal amount of O_3 will leave your room smelling clean and fresh. If the unit is set too high, you will smell too much O_3. If it is set too low, you will smell household odors.

- The Ionizer is designed to run independently from the O_3 production. The ionizer can be used around the clock to keep down dust and particulate. O_3, however, should be kept at modest levels in occupied spaces. O_3 primary application is to control odors. The level of O_3 may be adjusted according to the severity of the odors in the home or office. The O_3 that is not used, normally reverts back to O_2 in about an hour.

- Individual sensitivity to O_3 and preference may vary and should be adjusted accordingly. The effect of O_3 on indoor air may vary according to atmospheric and/or environmental conditions such as altitude, humidity, air movement, and severity of existing odors, house design and square footage.

- If you desire to treat the entire home, set the fan switch on your home's heating & cooling system to the ON position rather than AUTO. Open all interior doors and adjust the O_3 level to the appropriate setting. Then place the unit so the air from the purifier flows directly into an air return vent.

- **Altitude:** Generally, in higher altitudes the requirement for activated oxygen decreases. Therefore, higher altitudes should require lower settings.

- **Humidity:** Generally, in higher humidity the requirement for activated oxygen increases. Therefore increased humidity may require higher settings. High humidity will require additional cleaning.

For optimal treatment of air in your designated area, your new air purification unit should be placed in a central location (higher is better). Your unit can be set on a tall piece of furniture. Allow three inches between the back of your unit and the wall to allow proper airflow. Fan speed is normally set in the medium range. The reason for elevated placement of the unit is that O_3 is heavier than air. Elevated placement allows for better circulation. It is suggested that the purifier be placed in the room that is close to the primary source of odor.

Warning: Excessive O_3 concentrations may cause mucous membrane or respiratory irritation and can be harmful. If you smell ozone when you enter a room, turn the O_3 dial down to a lower setting.