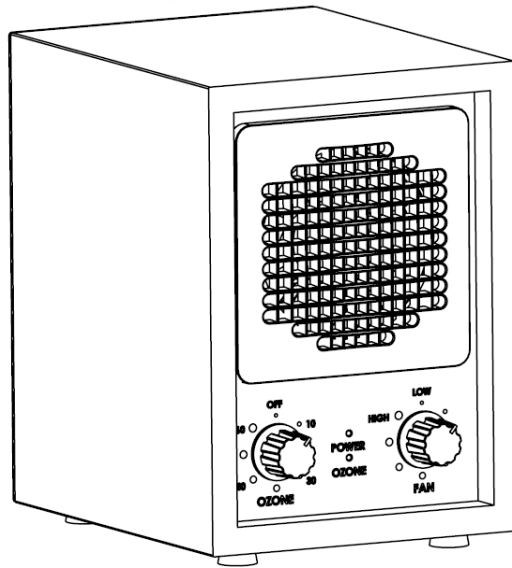


# CA3500, BA3500, CH3500

## New Comfort

### 6 Stage AIR PURIFIER



## INSTRUCTION MANUAL

**CAUTION:**

**Read manual carefully for proper installation and operation.**

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## SPECIFICATIONS

Model:	CA3500, BA3500, CH3500
Rated Voltage:	USA-AC 120V/60Hz
Power Consumption:	40W
Fan Speed (non-grade):	1500-3000 RPM
Ion Output	$\geq 5 \times 10^6 \text{ cm}^3$ (or $\geq 2.5 \times 10^6 / \text{cm}^3$ )
Air Volume:	Max 106 CFM (3 m <sup>3</sup> /min)
UV Spectrum:	$\geq 20 \text{ iw/cm}^2$ (at 10cm-distance)
Sound Level (DV):	Low35 Med45 High50
Particle Purifying Rate:	up to 99.97% HEPA
Product Size in inches:	W 9 in x D 11 in x H 12 in
Gross Weight:	14.5 Pounds
Ozone Plates	2PCS, 4 1/2 x 4 1/2 inch

## FEATURES

- Negative Ion Generation Technology
- Adjustable Ozone Generation
- Activated Carbon Deodorization
- UVC Bulb & Photo-Catalytic Filter (to kill virus and bacteria)
- Washable HEPA Filter (to eliminate small particles and dust)
- Adjustable Fan Speed Control
- Washable Permanent Pre-Filter
- Adjustable Ozone Control and Plate Configuration
- Adjustable Ion Control

### Ion Output:

- 20 KV negative ion generator.

### Filtration Type:

- Washable HEPA, Carbon and TI02 Filters.

### Warranty:

- 3-Year Factory Warranty.



To reduce the risk of electric shock, this equipment has a grounding type plug that has a third (grounding) pin. This plug will only fit into a grounding type power outlet. If the plug does not fit into the outlet, contact qualified personnel to install the proper outlet. Do not alter the plug in any way.



**WARNING!** - Do not operate without proper installation. Doing so may void the warranty.

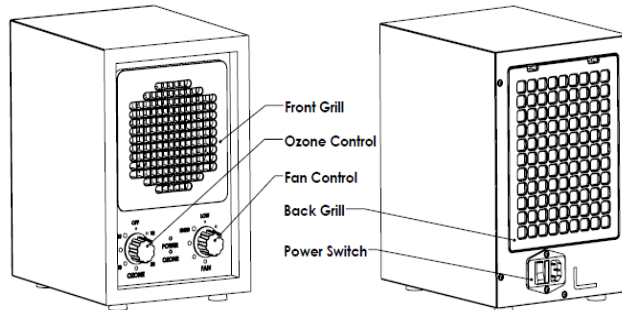


**CAUTION!** – Cut off the power when performing maintenance.

If the fuse is blown and needs to be changed. Fusing current no more than 1.0 Amp.

## INTRODUCTION

New Comfort reproduces the natural environment outdoors. It is not designed to create clean fresh air like the outdoors with its 6 stages of purification.



*Keeps your air clean and fresh with 6 stages of filtration.*

- Compact
- Portable
- No Duct Work Required
- No Chemicals
- Low Maintenance
- Low Electrical Usage
- Complete User Control
- No Residual Contamination

## APPLICATIONS

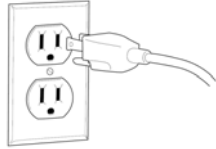
- Home, Office, Restaurant, Hotel
- Smoking Areas
- Production Areas
- Basements
- Casinos & Large Meeting Halls
- Veterinary Hospital
- Barns, Kennels & Stables

- Photo Labs & Salons
- Day Care Centers
- Chemical Odors
- Bowling Alleys & Parlors

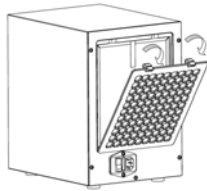
## INSTALLATION

1. Remove unit from shipping carton.
2. Remove all protective materials.
3. Read Owner's Manual thoroughly prior to installation.
4. Fully insert cord into the power cord receptacle on the back of the unit.
5. Install Ozone and Filters as shown in the steps below.

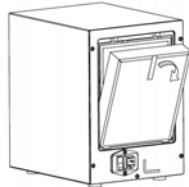
### Installing Ozone Plates and Filters:



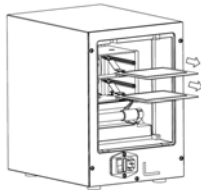
**Step 1:** Make sure the unit is unplugged before installing or removing any filters or maintaining the unit in any way to prevent electric shock.



**Step 2:** Push two latches down on back cover.



**Step 3:** Remove HEPA filter and all other filters by pulling out the white ribbon on the top.

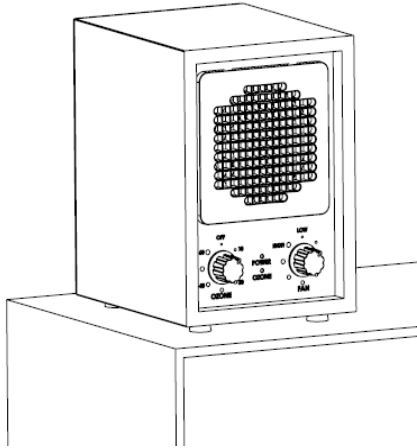


**Step 4:** Insert the 2 Ozone plates found in the small brown box. For maximum performance, Ozone plates may need to be washed in warm water. Always allow them to properly dry before installing.

**Step 5:** Reinstall all filters in the same order they were removed and reattach back cover.

Determine placement location and plug unit into 120-volt outlet.

## PLACEMENT



In order to maximize the purification function, the unit should be placed as high as possible. Alternately, placing something under the unit bottom, ensuring the front grill is tilted upward will better oxidize and purify the floating bacteria and smog pollutants. A ceiling fan can also aid the unit with air purification.

### Suggested locations, listed in order of preference:

- Nearest to the source of the worst pollutant.
- Near cold-air return in an air

circulation system.

- In the area most frequently used location to achieve maximum benefit.

### Notes:

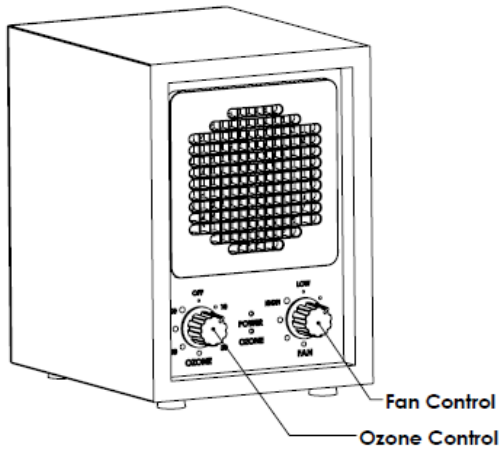
- For maximum control, the unit should be placed where easy access to the control panel is possible.
- The rear of the unit should always have at least six inches of open area to allow unrestricted airflow.
- Be sure power cord is not accessible to small children to prevent injury.



### CAUTION!

This unit should never be placed where it can blow directly into the face of any person or pet.

## SETTINGS AND ADJUSTMENTS



### 1. Control of the Unit

When looking at the front of the unit, the controls for UV, Ionization, Fan Speed are located on the right. The knob on the left controls the Ozone. This allows using the New Comfort as a standard air purifier (no Ozone but pulling air through the 5 stages of filtration) or to use all 6 stages (Ozone included).

### 2. Ozone Control

- The Ozone control can turn on, off or adjust ozone function without degrees.
- To reduce the level of Ozone, user may also remove one of the Ozone plates.
- To reduce mold, mildew, and bacteria, turn the unit on the highest setting for 3-4 hours. Open doors and windows to allow air to circulate out of the room.
- The POWER light turns to GREEN when the “Fan” switch is turned on. The OZONE light turns to RED when the “Ozone” switch is turned on. Only run the Ozone feature in unoccupied spaces. After the Ozone feature is turned off, allow one hour before reoccupying the room.
- Do not look at front panel in close proximity or stare at the UV light.



#### **CAUTION!**

Always ensure the room or area is UNOCCUPIED before performing the above-described Ozone control.

## MAINTENANCE

Periodic maintenance is required to ensure that the New Comfort operates properly. A severely polluted environment can foul an air purifier plate in as little as four weeks or as long as a year. Shown here are basic maintenance procedures that should be carried out to keep your unit running at top performance.

### Pre-Filter/HEPA Filter Cleaning:

(Turn to page 7 for removal instructions.)

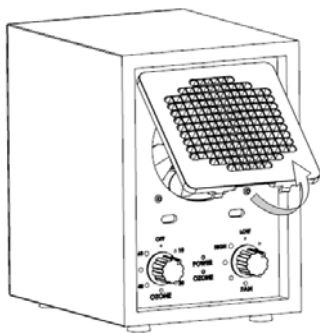
You have two options to clean filters:

- When filter is visibly dirty, simply remove the pre-filter or HEPA filter and clean the heavy particulate from the screen with a hand-held vacuum. This method will extend the life of the screen/filter.
- When filter is visibly dirty, remove the filter from the unit and wash it in cool water, brush it gently with a toothbrush to remove particulate. Dry completely prior to re-installing.

All filters are washable except for the charcoal filter.

### Fan Blade and Front Grill Cleaning:

(Take off front/reinstall grill method.)



#### To remove for cleaning:

1. As detail on the left shows, hold bottom of front grill and pull out.
2. When latch releases from front panel, lift front grill approximately 30 degrees.
3. Pull front grill away from unit in a parallel motion.

#### To reinstall after cleaning:

Place top latch of grill in front panel opening.

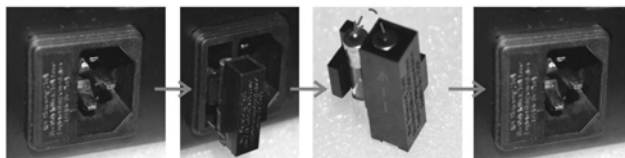
Push bottom latch of grill into bottom slot.

#### Cleaning Information:

Wipe off fan blade and front grill with damp washcloth. The fan requires no maintenance. If the fan squeaks, a drop of lightweight machine oil may be needed on the fan shaft.



## REPLACING THE FUSE



A fuse holder is located on the back of the unit next to the power cord.

### To replace or check the fuse:

- Remove the fuse holder by pressing on the clip and pulling straight out.

### If the fuse is blown:

- Replace with the standard replacement fuse. Insert the new fuse into the fuse holder. Press the assembly straight in until it latches.

**120 volt models: Fusing current no more than 1.0 Amp.**



### CAUTION!

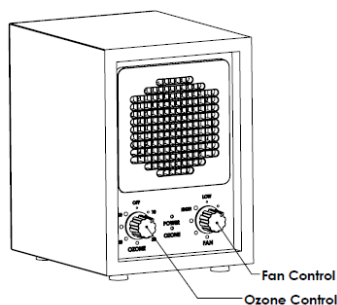
If the fuse holder cap is not installed correctly,  
the unit will not operate.

## TROUBLESHOOTING GUIDE

### Indicators of Operation:

(Operation of the Ozone & Power Indicator lamp.)

- Ozone switch to be operated when the room is unoccupied. Open the door and window when you return to the room if Ozone operated for several hours.
- Turn the unit on and check that the small red/orange lamp is illuminated. The lamp is located on the front panel; one is silkscreen '**power**' and the other is silkscreen '**ozone**'.



### Troubleshooting – What to look for first:

1. I have plugged in the unit, turned the power switch to "On" and nothing is happening. What's wrong?

- 
- Make sure the electrical outlet is capable of providing power to the unit.
  - Check the back cover located at the back of the unit to make sure it is fully installed and snapped into place. If the back cover is not fully installed, a safety switch will cause the unit to not power on.
  - Check to see if the proper fuse is installed and that it is serviceable.
  - Ensure that the fuse cap is completely seated and secured in its receptacle.
  - Be sure the cord is fully plugged into unit.
2. The fan is operating but the unit won't produce any ozone. What's wrong?
- Check the air purifier plate(s) for serviceability. If they are cracked or broken, the plate(s) will require replacement.
  - Ensure maintenance procedures required for the New Comfort air purifier plate have been performed (i.e. washing the Ozone plates).
  - Aside from steps above, do not attempt to disassemble the unit due to the Limited Warranty of the product.
3. The unit has a burning smell, and/or appears to be arcing or sparking.
- Remove and clean the ozone plates and reinstall. If problems persist replace ozone plates.
4. What are the most typical application problems?
- Problem:** Lack of air movement, improper placement of the unit.  
**Warning Sign:** Strong odors still remain in the environment after placement.  
**Problem:** Lack of ozone, improper placement of the unit.  
**Warning Sign:** A strong odor of ozone is in the environment.  
**Problem:** Too much ozone accumulation in the environment, as a result of improper purifier control setting and/or lack of air movement.
5. Unit does not operate:
- Is the unit plugged in?
  - Is the power cord fully inserted into the back of the unit?
  - Are you sure the outlet is functioning normally?
  - Is the unit turned on?
  - Is the back grill installed properly to depress the safety switch forward?
6. Air flow is restricted or reduced:
- Is the unit properly placed away from objects that may obstruct air flow?
  - Are the filters clean?

**Warranty Information:**

If your unit fails to operate properly after performing trouble-shooting, contact your authorized New Comfort dealer you purchased the unit from for further assistance.

The New Comfort air purifier comes with a 3-year Factory Warranty that covers the entire unit (except for filters and ozone plates which may need replacing as they get dirty). For warranty assistance contact the company you bought the air purifier from for authorized warranty service. For warranty service, the user is required to pay all shipping costs and the authorized New Comfort Warranty center shall be responsible for all parts and labor.

Customer Name \_\_\_\_\_

Purchase Date \_\_\_\_\_

Company the unit was purchased from \_\_\_\_\_

Serial Number of Air Purifier \_\_\_\_\_

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