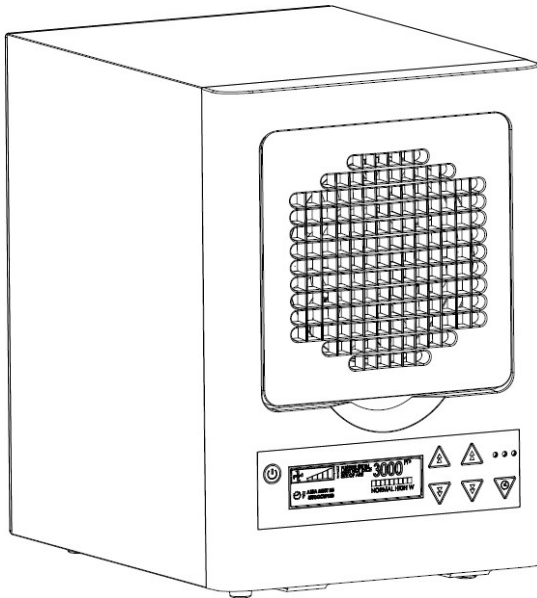




## **6 Stage AIR CLEANER BH3000 / CH3000**



## **INSTRUCTION MANUAL**

### **CAUTION:**

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

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# 1. SPECIFICATIONS

Model:	CH3000 / BH3000
Rated Voltage:	USA-AC 120V/60Hz, Europe 230V/50Hz
Power Consumption:	40W
Fan Speed (non-grade):	1500-3000 RPM
Air Volume:	Max 106 CFM(3 m <sup>3</sup> /min)
Ion Output	≥5 x 10 <sup>6</sup> cm <sup>3</sup> (or≥2.5 x 10 <sup>6</sup> /cm <sup>3</sup> )
UV Spectrum:	≥20iw/cm <sup>2</sup> (at 10cm-distance), 1PC
Ozone Plates	2PCS, 4 1/2 x 4 1/2 inches (115mm x 115mm)
Filter Filtration Rate:	up to 99.97% at .3 microns (HEPA)
Remote Control	Distance ≤10M
Sound Level (DV):	Low35 Med45 High50
Product Size in inches:	W 9 in x D 11 in x H 12 in
Gross Weight:	14.5 Pounds (6.5Kgs)

# 2. FEATURES

- Negative Ion Generation Technology
- Adjustable Ozone Generation (optional)
- Activated Carbon Filtration
- UV Bulb & Photo-Catalytic Filter
- Washable HEPA Filter
- Adjustable Fan Speed Control (5 speed)
- Washable Permanent Pre-Filter
- Optional Ozone Control (5 speeds) and Plate Configuration
- Ion Output:20 KV negative ion generator
- Ozone Output: Adjustable Ozone output up to 3500 sq ft
- Filtration Type: Washable HEPA, Carbon filter and TiO<sub>2</sub> Photo-catalytic 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.

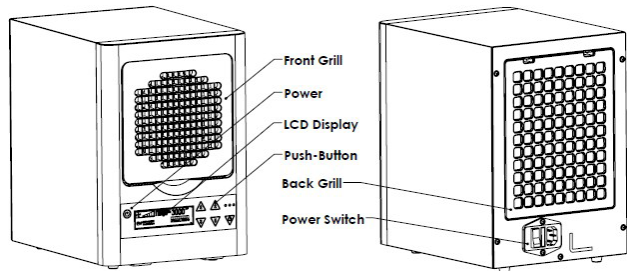


If the fuse is blown and needs to be replaced, the current of fuse should no more than 1.0 Amp.

**WARNING** – Failure to properly clean (every 6 months) inspect, maintain, and/or replace defective ozone plates may result in a fire hazard.

### 3. INTRODUCTION

CH3000 air cleaner is designed to create clean fresh air like the outdoors with its 6 stages of air purification processes.



### FEATURES

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

### APPLICATIONS

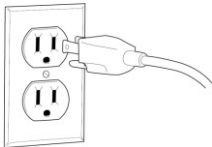
- Home, Office, Restaurant, Hotel

- Smoking Areas
- Production Areas
- Basements
- Casinos & Large Meeting Halls
- Veterinary Hospital
- Barns, Kennels & Stables
- Photo Labs & Salons
- Day Care Centers
- Odors
- Bowling Alleys & Parlors

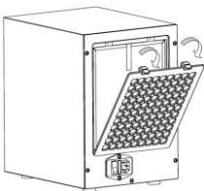
## INSTALLATION

1. Remove unit from shipping carton.
2. Remove all protective materials.
3. Read Owner's Manual thoroughly prior to installation and use.
4. Fully insert cord into the power cord receptacle on the back of the unit.
5. If wanting to run the optional Ozone feature (not required) then install Ozone and Filters as shown in the steps below.

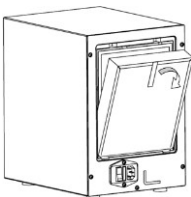
### Installing Ozone Plates and Filters



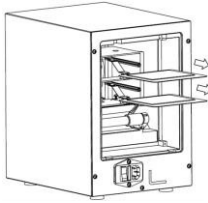
**Step 1:** Make sure the unit is unplugged before installing or removing any filters or maintaining the unit in any way to prevent electric shock.



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



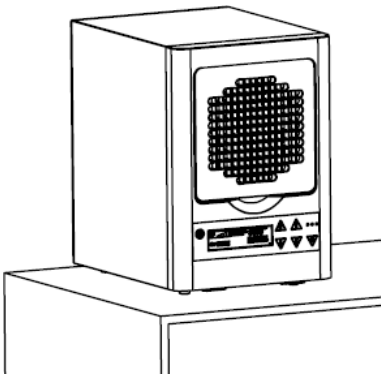
**Step 3:** Remove HEPA filter and all other filters by pulling out the white ribbon on the top.



**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 cleaning 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 clean and purify. A fan (or 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.



**CAUTION-** Place air purifier in location where small children will not be able to stare at UV bulb during use. Do not look directly at UV light while it is running. New Comfort has designed the unit to make staring at the UV bulb very difficult and if the filter is removed while the unit is running the unit will turn off so as not to expose the user to UV light.

**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 and unit is not accessible to small children to prevent injury.



This unit is equipped with 2 cleaning modes.

**Mode 1** is normal air cleaning mode with Ozone turned OFF. It can be run in this mode constantly while the room is occupied with people and pets. The user may also turn UV bulb cleaning on and off on this mode as needed.

**Mode 2** is for additional sanitization and the user may engage the Ozone Feature to ON. The ozone feature is optional and does not have to be engaged by the user (in fact the user must install ozone plates in the rear of the unit for it to work). HOWEVER, Ozone at high levels can be a lung irritant and should ONLY be used if the room is unoccupied by people, animals, and pets. This unit is equipped with timers so the Ozone can be turned on and then will turn off when the timer runs out.

For example, say the user is working in their office at work and they are the last person to leave their office for the day. The user could look to make sure nothing flammable is around the unit, close all windows, and remove all pets and people. Then they could set the Ozone cleaning to turn on for 2 hours (by setting the timer). They would then close the door to their office and leave. After 2 hours the unit would turn off automatically. The next morning the user would come into the room and open some windows to provide fresh air in the office. This is an example of the proper way to use Mode 2 for Ozone sanitization.

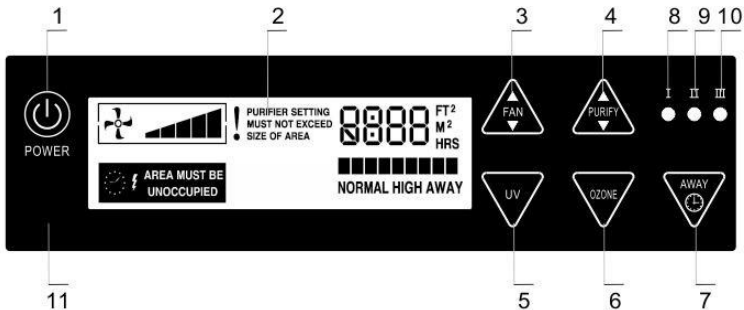


### **CAUTION!**

During Ozone mode this unit should never be placed where it can blow directly into the face of any person or pet. Do not use unit with outlet strip. Instead plug directly into 120v wall outlet.

## **SETTINGS AND ADJUSTMENTS**

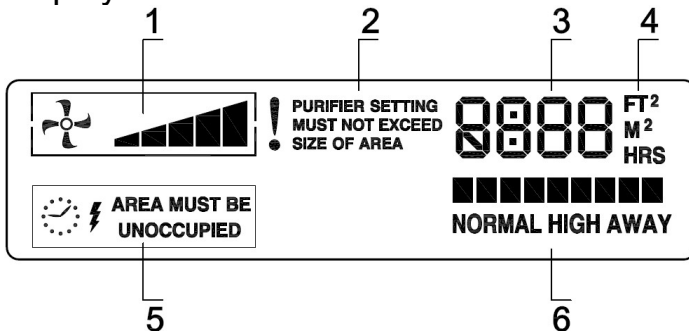
### **Buttons function and Operation Description**



No	Name	Function and operation instruction
1	Power	Standby mode: Machine turns on when press Power button, air cleaner start working;: Air cleaner powers off when user press's the Power button
2	LCD screen	Show machine's work status
3	FAN	5 speed fan to adjust fan speed, note: the coverage area change 200 sq. ft each time press the fan button
4	PURIFY	5 different settings to adjust ozone output, it is "1-2-3-4-5-0", 0 means stop, note: 5 is maximum Ozone output. To change the ozone output push the PURIFY button.
5	UV light	UV light is on or off when UV button is pressed

6	OZONE	Optional Ozone is on or off when press Ozone button, note: PURIFY does not work when Ozone is off
7	AWAY mode	Air purifier work at max. settings on AWAY mode, the air purifier is off when timer returns to 0 First time: 0.5 Hour timing off; Second time: 1 hour timing off ; Third time: 2 hour timing off; 4 <sup>th</sup> time: back to manual mode
8, 9, 10	LED on AWAY mode	Indicate timing mode: I means 0.5H; II means 1H; III means 2H.
11	Receiver	Infrared receiver, Note: do not block the receiver, otherwise it will affect the normal working of the air purifier
	Timer off	1. Press button 3 + 5 at the same time, LCD show 0:00 clock 2. Operate No 4 button within 2 seconds to adjust timer, timer increase 0.5Hr each time press this button 3. Timing function finish, enter autoamatic off mode, back to previous working status. <b>Note: press any button to off the timer function when timer off mode start.</b>

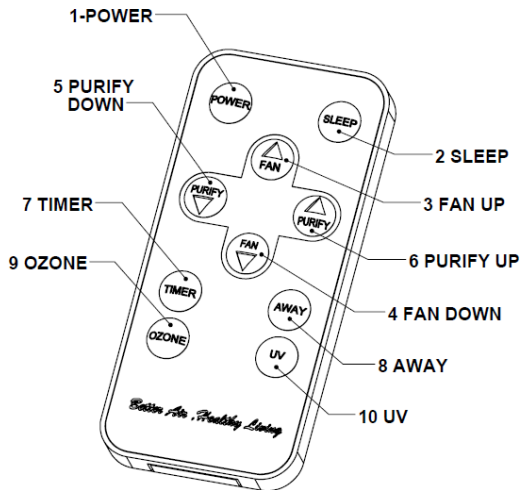
## LCD Display



No	Name	LCD display
1	Fan working status	Press FAN to indicate fan working status, to display 1 to 5 fan speed
2	HIGH purifying reminder	When the coverage area is more than 2000 sq.ft, the LCD display show HIGH
3	Coverage area	It show 1000- 3000 sq. ft during working, the coverage area change 200 sq ft each time press FAN and PURIFY button
	Timing reminder	Timing function is turned on, the countdown clock, purified area and timer will be Interactive Display
	Standby	Standby mode display 0000, the LCD backlight off at the

		same time.
5	Ozone function reminder	LCD display"AREA MUST BE UNOCCOPEd" when ozone is on. Note: Ozone has obvious effect on killing germs and removing odors, however, excess ozone can have health effects , therefore, it can be used in unoccupied space only
6	Mode	Display NORMAL (1~5), HIGH (1~3 ), AWAY (1~3 according to different working condition base on purified area .

### 3.2 Remote control function and description



No	Name	Function and operation instruction
1	Power	Standby mode: Machine turns on when press Power button, air purifier start working;; Air purifier is off when press Power button
2	Sleep (quiet) mode	<ul style="list-style-type: none"> <li>Press one time: enter 1200 sq.ft SLEEP mode</li> <li>Press 2<sup>nd</sup> time, enter 1000 sq.ft SLEEP mode</li> </ul> LCD light turns off at SLEEP mode, and the negative ion, UV, OZONE turn off on SLEEP mode,Press any button to exit SLEEP mode.
3	Fan speed increase	5 speed fan - to adjust the fan speed, press 1-2-3-4-5 to increase fan speed. Note: each time press FAN button, coverage area increase 200 sq. ft.
4	Fan speed decrease	Decrease fan speed from 5-4-3-2-1, and each time press the Fan, the coverage area decrease 200 sq,ft

5	Decrease OZONE	5 speed Ozone Adjustment - to adjust ozone output, press 5-4-3-2-1-0, 0 means stop. Note: each time press OZONE, the ozone output decreases.
6	Increase OZONE	Decrease ozone output from 5-4-3-2-1-0, each time press OZONE, the Ozone output increases.
7	Timer Off	<ol style="list-style-type: none"> <li>1. Press TIMER, display 0:00 clock</li> <li>2. Press 6 within 2 seconds to adjust time of shut off, press one time increase 0.5h, the max. timing is 9.5H, and min. is 0.5H</li> <li>3. When the time setting is finished, it enters automatic shut off mode, and back to normal working mode before time setting.</li> </ol>
8	AWAY mode	Air purifier works at maximum function on AWAY mode Press 1 time: shut off after 0.5H; Press 2 <sup>nd</sup> time, shut off after 1hr; Press 3 <sup>rd</sup> time, shut off after 2hr; Press 4 <sup>th</sup> time, back to manual mode
9	Ozone on/off	Press this button to on or off the OZONE Note: PURIFY does not work if OZONE OFF, OZONE can only be used in unoccupied space only.
10	UV on/off	UV is on or off when press this button



**CAUTION!**

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

## MAINTENANCE

Periodic maintenance is required to ensure that the Air Purifier 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. **It is recommended that the HEPA filter be replaced at least once a year.**

**WARNING** – Failure to properly clean (every 6 months) inspect, maintain, and/or replace defective ozone plates may result in a fire hazard.

### Pre-Filter/HEPA Filter Cleaning:

(Turn to page 5 for removal instructions.)

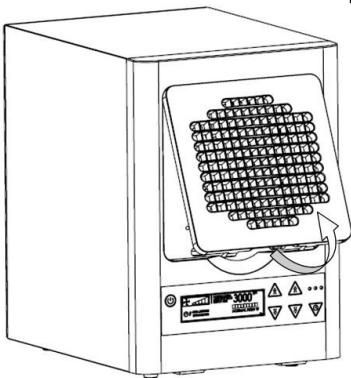
You have two options to clean filters:

- 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:

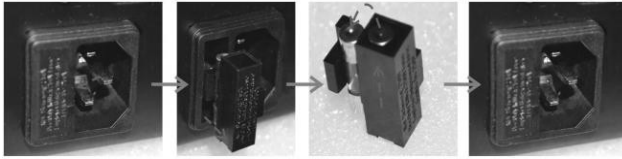
Wipe off fan blade and front grill with damp washcloth. The fan requires no

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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.



### **CAUTION!**

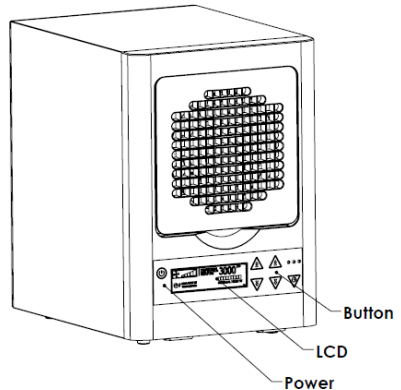
During Ozone cleaning mode make sure the unit is not  
operated around combustibile or flammable materials.  
Doing so may cause flammable chemicals or materials  
to combust.

## TROUBLESHOOTING GUIDE

### Indicators of Operation:

(Operation of the Ozone & Power Indicator lamp.)

- Ozone button to be operated when the room is unoccupied. Open the door and window when you return to the room after Ozone treatment.
- 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. Try plugging another 120v appliance into outlet to see if it works and outlet is getting power.
  - Check the back cover where the electrical cord plugs into the unit. With cord unplugged from wall outlet firmly push the cord where it attaches to the air purifier to make sure it has a proper connection. **Typically, this is normally the problem. The cord is not fully pushed in on the unit.** Once you have fully pushed the cord all the way in on the unit then plug it back to the wall outlet and retest.
  - 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. See Page 12 for more details.
  - Some models are equipped with an On/Off switch on the back of the unit. Make sure this is switched to On.
2. The fan is operating but the unit won't produce any ozone. What's wrong?
  - In order for Ozone to work the user must first install the 2 Ozone plates located in the small brown box. See page 5 and 6 for more information.
  - Unplug cord from wall outlet and then check the Ozone 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). See page 6 for more details.
  - Make sure the Ozone button is pushed to on.
  - You will know the Ozone is on when a strong smell comes out of the air purifier. Aside from steps above, do not attempt to disassemble without contacting customer service from your New Comfort dealer.
3. The unit has a burning smell, and/or appears to be arcing or sparking.
- Remove and clean the ozone plates, allow to dry and reinstall. If problems persist replace ozone plates.
  - Ozone produces a smell or odor that smells like bleach or electric smell. This is normal during Ozone use and why Ozone is so effective.
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?
  - Is the fuse defective?
6. Air flow is restricted or reduced:
- Is the unit properly placed away from objects that may obstruct air flow?
  - Are the filters clean?

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## Warranty Information:

If your unit fails to operate properly after performing troubleshooting, 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, UV bulbs and ozone plates which may need replacing from time to time as they are used) against defect from normal use. For commercial use this unit shall come with a 1-year Factory warranty. 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 \_\_\_\_\_