



# C.A.R.E 2000

*Operations Manual & C.A.R.E Instructions*

"Now I can breathe the air of the new millennium, the air my body needs and deserves!

Thank you!"

*T.E. Grissom, Solana Beach, CA*



- \* Doctor Tested and Recommended
- \* Patented Hospital Technology
- \* Most complete air purification system on the market.
- \* Cleans up to 1,500 sq. ft. area.
- \* CSA Approved & Certified for North America & Europe.
- \* Patented "Top Flow" Design air discharge.
- \* 5 stages of filtration



# The Clean Air Room Environment

## AIR PURIFICATION FOR THE NEXT MILLENNIUM

Congratulations for purchasing the finest air purification system in the world. This highly effective air purification system is based upon the same advanced air purification that is recommended and used in hospitals, labs, intensive care units, medically related facilities and by allergists and environmental doctors.

The C.A.R.E. 2000 incorporates True HEPA filtration and activated carbon that offers twice the gas reducing capability available in other filters. This unique combination of media is further enhanced by proven germicidal Ultraviolet light, and an innovative "Topflow" air discharge system.

The C.A.R.E. 2000 can transform any home or office into an odorless, gasless, virtually germ-free environment. Purifies over 21,000 cubic feet of air per hour.

# C.A.R.E. 2000

## SAFETY GUIDELINES

The C.A.R.E. 2000 is an electrical appliance and operates with 110V AC current so it can easily be plugged into standard wall outlets. As with any electrical appliance care must be taken when cleaning or changing the filters & UV lamps. Never move the unit by pulling or tugging the cord as this may cause fraying and become an electrical hazard.

## SAFETY WARNINGS

- TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT EXPOSE TO RAIN OR WATER.
- TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT USE THIS UNIT'S FAN WITH ANY OTHER SOLID STATE SPEED CONTROL DEVICE.
- ALWAYS UNPLUG UNIT WHEN SERVICING IT.
- NEVER LOOK DIRECTLY AT THE UV LAMPS WHEN LIT.

## IMPORTANT OPERATION INFORMATION

The C.A.R.E. 2000 is designed for 24-hour operation to provide maximum air cleaning of your home or office. Dust, germs, chemicals and other toxic contaminants constantly spread throughout your air and need to be continuously removed.

The pre and post filters collect dust and need to be cleaned and replaced periodically. Bacteria, yeasts, and mold are trapped in the HEPA filter and tend to grow. Continuous running of the filter is necessary to dry out these organisms and keep growth to a minimum. The Ultraviolet system will also keep any microbiologically contaminated air from passing through, but the lamps must be replaced once a year to keep the germicidal level effective.

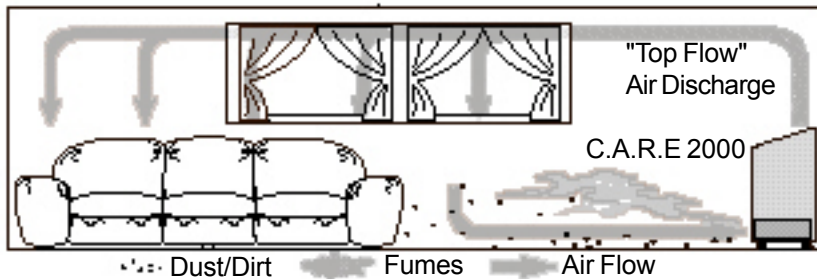
If for any reason the C.A.R.E. 2000 is not run for a number of weeks or months, then the HEPA filter module, in its entirety, should be changed before starting.

## CHOOSE A LOCATION FOR YOUR HOME OR OFFICE

The C.A.R.E. 2000 air purification system is a very versatile unit and is designed for home or office use within any room except; near sinks, showers, pools or any other water source. For best results, place the unit at the wall across from the area where the clean air benefits will be the greatest.



## AIR FLOW PATTERN



The purified air will be directed upward toward the ceiling and will drop down around the total room area pushing any dust, pollen, odors etc. toward the floor and these contaminants are then drawn into the bottom of the unit.

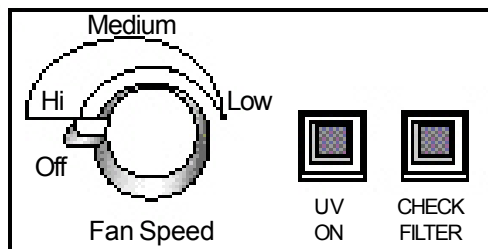
## AIR CONTROLS

Average Room size Length x Width x Height	Cubic Feet	Number of Air Changes Per Hour
16'x 16' x 8'	2,048 Cubic Feet	10.25 Air Changes
14'x 14' x 8'	1,568 Cubic Feet	13.40 Air Changes
12'x 12' x 8'	1,152 Cubic Feet	18.23 Air Changes
10'x 10' x 8'	800 Cubic Feet	26.25 Air Changes

Industry guidelines suggest at least 3 air changes / hour (ACH) for adequate airborne cleaning and allergy control. The C.A.R.E. 2000 produces 350 cubic feet per minute (CFM) in one hour. The C.A.R.E. 2000 will change 21,000 cubic feet per hour at high speed. However, the "Topflow" featured in the C.A.R.E. 2000 delivers more actual air changes per hour than other units. The following chart will help you determine how many air changes your unit will provide in a given space.

## AIR FLOW PATTERN

The C.A.R.E. 2000 has an adjustable speed setting. We recommend that the unit remains in the low to medium setting speed. For maximum number of air changes (ACH), set the unit to high.



**GREEN INDICATOR LIGHT**-will remain on when the UV light is operating properly.  
**When the light goes out the UV lamps are not functioning.**

**RED INDICATOR LIGHT**-Goes on when it's time to change or clean pre-filter or change HEPA filter. Go to the "Clean Prefilter Section" on page 5.

Order new lamps from your supplier and go to the "Change UV Lamps Section"

**C.A.R.E. 2000**



# Maintaining Your C.A.R.E. 2000

## CLEANING AND CHANGING FILTERS

### SAFETY WARNINGS

- BEFORE YOU ATTEMPT ANY MAINTENANCE ALWAYS UNPLUG THE UNIT.
- NEVER LOOK DIRECTLY AT THE ULTRAVIOLET LAMPS WHEN LIT.

### HOW TO CLEAN YOUR PRE-FILTER

#### THE LIFE OF THE CARBON PRE-FILTER

The pre-filter can be vacuumed numerous times to increase the service life of the filter. The pre-filter can last approximately 1 to 2 years depending on the amount of dirt in the air and the amount of use. If the red light does not go off after cleaning the pre-filter, then the pre-filter must be changed.

#### WHEN THE RED INDICATOR LIGHT GOES ON

TOOLS REQUIRED: A phillips screw driver

**IMPORTANT:** Before opening the unit to change the pre-filter, vacuum the outside of the unit at the bottom vents. If the red indicator light does not shut off then it is necessary to open the unit and clean the prefilter.

1. **UNPLUG THE UNIT**  
Remove (1) screw on each side and on the back of the unit (3 screws total) **FIG.2**  
*The back screw on top of rear access panel is a shipping screw and does not need to be replaced.*
2. Gently rest unit label face down.  
(DO NOT REST ON WHEELS)  
Remove the (2) shipping screws on the bottom of the unit. *These screws are for shipping and do not need to be replaced* **FIG.3**
3. Remove (2) screws on the bottom of the rear access panel. **FIG.4** Pull off rear access panel.
4. Use plastic handles to lift out the pre-filter/HEPA + carbon drum filter from the inner chamber. **FIG. 5**
5. Remove outer PRE-FILTER and vacuum the pre-filter. Replace the pre-filter around the HEPA + carbon drum filter.  
Or TO REPLACE THE PRE-FILTER  
Discard the old pre-filter and wrap a new pre-filter around the HEPA +carbon drum filter.
6. Reinstall the HEPA + carbon drum with the pre-filter around it. Push all the way back into the inner chamber. The seam of the pre-filter should face you.
7. Replace rear access panel and only replace the (2) screws at the bottom of access panel.

**FIG.2**



**FIG.3**



**FIG.4**



**FIG.5**



**STAND UNIT UPRIGHT  
AND PLUG INTO WALL OUTLET,  
TURN UNIT TO DESIRED SPEED.**

**C.A.R.E. 2000**

# Maintaining Your C.A.R.E. 2000

## CLEANING AND CHANGING FILTERS



### THE HEPA & CARBON DRUM FILTER

#### FOR YOUR INFORMATION - HEPA LIFE RATING

The HEPA filter **MAY** last up to 5 years in some areas, The carbon filter **MAY** last up to 2 years. the longevity of the HEPA or the carbon filter depends on the amount of use and the amount of contaminants in the room air where the filter is being used. After changing the "Pre-filter" if the red light stays on, you should change the inner HEPA drum. As the carbon media comes to the end of its life, **chemically and environmentally sensitive (MCS) people may detect contaminants at lower levels** and will have to change the filter sooner.

### THE FREQUENCY GUIDELINES FOR THE CHANGE OF FILTERS

The frequency of HEPA and carbon filter changes will vary depending the amount of contaminants in your indoor environment.

#### **NOTE:**

The chart to the right shows only estimates of the life of the filters. Frequency of filter changes may be shorter.

FREQUENCY GUIDELINES	
PRE-FILTER CLEANING	UP TO 2 - 4 MONTHS
PRE & POST FILTER CHANGE	2 YEAR
HEPA FILTER CHANGE	UP TO 5 YEARS
CARBON FILTER	UP TO 2 YEARS
UV LAMPS CHANGE	1 YEAR

#### IF THE RED INDICATOR LIGHT REMAINS ON.

If cleaning or changing the pre-filter does not shut off the red indicator light, this signal means that the inner HEPA filter needs to be changed. Call your distributor and order a HEPA replacement filter.

### HOW TO CHANGE THE HEPA & CARBON FILTER

1. UNPLUG THE UNIT BEFORE SERVICING.
2. Follow steps 1 to 4 in the HOW TO CLEAN YOUR PRE-FILTER section (page 4)
3. Remove inner HEPA drum **FIG.6**
4. Place the new HEPA drum inside of the old carbon filter; or place old HEPA drum into new carbon filter.
5. Place complete HEPA + carbon filter with pre-filter wrapped around filter, into inner chamber with the open end of HEPA facing towards the top of the CARE unit.
6. Replace rear access panel and replace (2) bottom screws.

**FIG.6**

**INNER HEPA DRUM**

**OUTER CARBON FILTER**



**IMPORTANT:**  
**DO NOT STAND UNIT UPRIGHT UNLESS HEPA/CARBON FILTER IS IN PLACE.**



# Maintaining Your C.A.R.E. 2000

## CLEANING AND CHANGING FILTERS

### HOW TO CHANGE THE POST FILTER

#### NOTE:

- WHEN CHANGING THE UV BULBS IT IS RECOMMENDED TO REPLACE THE POST FILTER UNDER THE OUT FLOW VENTS WHEN THE ACCESS PANEL IS OPEN.

1. Peel off Post Filter
2. Place new post filter onto existing velcro strips

### HOW TO CHANGE THE ULTRAVIOLET LAMPS

#### TOOLS REQUIRED:

A phillips screw driver

A cloth or glove (for New Ultraviolet Bulbs)

#### SAFETY WARNINGS

- UNPLUG UNIT BEFORE SERVICING.
- NEVER LOOK DIRECTLY INTO THE ULTRAVIOLET LAMPS WHEN LIT.

1. Open top access panel, **FIG.7**  
Remove the 4 corner screws, carefully lift access panel and gently hang off side. **BE CAREFUL NOT TO DISCONNECT WIRES.**
2. Lift shield plate slightly **FIG.8**. vertically and slide forward from middle support bar.
3. Carefully cut the black nylon shipping tie from around the base of each Ultraviolet lamp. **BE CAREFUL NOT TO CUT THE WHITE LAMP WIRE.** **FIG.9** While holding the lamp socket with one hand, gently pull the lamp straight out from its socket.
4. Discard the old lamps, place them in a trash bag and throw them away.
5. **DO NOT TOUCH** the glass of the New Ultraviolet lamps with your hands, as the oil on your skin may alter the performance of the lamps. Use a cloth or gloves.
6. Reinstall the HEPA + carbon drum with the pre-filter around it. Push all the way back into the inner chamber. The seam of the pre-filter should face you.
7. Replace rear access panel and only replace the (2) screws at the bottom of access panel.
8. Line up top access panel with 4 holes and replace screws with phillips screwdriver.

FIG.7



FIG.8



FIG.9



**STAND UNIT UPRIGHT  
AND PLUG INTO WALL OUTLET,  
TURN UNIT TO DESIRED SPEED.**

C.A.R.E. 2000

# Technical Specification Summary

## AIR PURIFICATION SYSTEM



### DIMENSIONS

- HEIGHT - 28 INCHES
- WIDTH - 15 INCHES
- DEPTH - 14 INCHES

### FILTER MATERIAL

- 80 SQ.FT. OF TrueHEPA MEDIA RATED AT 99.97% AT 0.3 MICRONS; NON OUT-GASSING, 10" HIGH X 13.5" DIAMETER
- 15 LBS. ACTIVATED CARBON MEDIA WITH A COMBINED 422 MILLION SQ. INCHES OF TOTAL ABSORPTIVE SURFACE AREA FOR GAS AND CHEMICAL REDUCTION.

### PRE-FILTERS

- REMOVABLE INERT CARBON IMPREGNATED SPUN POLYESTER PRE-FILTER CAN BE WASHED OR VACUUMED TO EXTEND LIFE.
- 90% REDUCTION OF LARGE PARTICLES >10 MICRON TO PROTECT THE HEPA. 48" LENGTH X 10" HEIGHT SURROUNDS HEPA CARBON FILTER.

### POST FILTER

- CARBON IMPREGNATED POLYESTER PAD FOR ADDITIONAL ABSORPTION. "SAFE FLOW" INDICATOR LIGHT SIGNALS YOU TO CLEAN OR REPLACE FILTERS.
- SEALING GASKETS AROUND EDGES ASSURE AIR FLOW THROUGH THE FILTER.

### ELECTRICAL

- WATTAGE - 130 WATTS
- HERTZ - 60 CYCLE
- AMP - 1 AMP

### FAN/MOTOR ASSEMBLY

- 350 CFM, 2500 RPM CENTRIFUGAL BACKWARD INCLINED FAN OF REINFORCED POLYAMIDE IS STRONGER THAN STEEL; WITH MINIMAL VIBRATION CREATING HIGH AIR FLOW WITH LOWER ELECTRICAL USAGE.
- MOTOR IS A HIGH EFFICIENCY SPLIT CAPACITOR FOR CONTINUOUS LONG LIFE DUTY.
- ADJUSTABLE SPEEDS TO GIVE FINELY-TUNED AIR CHANGE.
- LOW NOISE AND VIBRATION DURING OPERATION.
- UNIT IS CSA/NRTL CERTIFIED, A WORLD-WIDE TRADEMARK.
- OVER 21,000 CUBIC FEET OF AIR CLEANED EVERY HOUR.

### ULTRAVIOLET LAMPS

- TWO 9 WATT LAMPS PRODUCT GERMICIDAL DOSAGE TO KILL BACTERIA, VIRUSES AND YEAST.
- LOCATED IN AN INTERNAL CHAMBER OF POLISHED STEEL.
- 9,000 HOUR OPERATION CAPABILITY.
- REPLACEABLE BULBS.

### HOUSING CONSTRUCTION

- 22 GAUGE GALVANIZED STEEL WITH A POWDER PAINT COATING TO ALLOW FOR EASY CLEANING AND DURABILITY.
- UNIT OUT FLOW VIA TOP LOUVERS TO PROVIDED MAXIMUM ROOM AIR CHANGES.
- FILTER ACCESS FROM REAR DOOR OPENS WITH A SIMPLE TWIST OF 2 SCREWS.
- UNIT WEIGHT: 48 POUNDS
- SHIPPING WEIGHT: 53 POUNDS

**C.A.R.E 2000**



# C.A.R.E 2000

## WARRANTY

### AIR PURIFICATION LIMITED WARRANTY

- CWR, Environmental Products warrants their air purification system to be free of defects in material and workmanship under normal use for the following time from the date of purchase.

PARTS	UNDER WARRANTY
HOUSING AND WHEELS	5 YEARS
FAN AND MOTOR	5 YEARS
<b>ELECTRICAL PARTS:</b> BALLAST, SWITCHES, SPEED CONTROLS, LED AND NEON LAMPS	1 YEAR
UVGI LAMPS	90 DAYS
<b>FILTERS:</b> HEPA AND CARBON	90 DAYS
FILTER IS NOT COVERED FOR EXCESSIVE USE OR WEAR	

### SAFETY WARNINGS

- THE C.A.R.E 2000 IS NOT TO BE USED IN AN OXYGEN RICH ENVIRONMENT. IF OXYGEN IS USED, THE C.A.R.E 2000 MUST BE AT LEAST 6 FEET AWAY FROM OXYGEN SOURCE.
- IF THE PRODUCT IS DEFECTIVE, CALL CWR AT 516-674-2441 OR YOUR AUTHORIZED DEALER FROM WHERE YOU PURCHASED THE UNIT FOR A RETURN AUTHORIZATION NUMBER.
- YOU MUST REGISTER THE C.A.R.E 2000 AIR PURIFICATION SYSTEM WITH CWR TO QUALIFY FOR WARRANTY SERVICE, IF THE UNIT IS DEFECTIVE CONTACT CWR OR YOUR AUTHORIZED DEALER, TO QUALIFY FOR WARRANTY SERVICE. AFTER VERIFICATION OF PURCHASE DATE, CWR WILL REPAIR IT OR REPLACE IT, AT THEIR OPTION.
- CWR ASSUMES NO LIABILITY FOR CONSEQUENTIAL DAMAGES OF ANY KIND AS A RESULT OF THE USE OR MISUSE OF THE SYSTEM BY THE PURCHASER, HIS/HER EMPLOYEES OR ANY OTHERS.
- THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTEES, GUARANTEES, OBLIGATIONS OR LIABILITIES, EXPRESSED OR IMPLIED.
- THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE.

PLEASE FAX THIS WARRANTY OR MAIL THE ENCLOSED WARRANTY CARD.  
OR REGISTER ONLINE @ [www.cwrenviro.com/warranty.htm](http://www.cwrenviro.com/warranty.htm)

**CWR ENVIRONMENTAL PRODUCTS**  
100 CARNEY STREET - GLEN COVE, NY 11542  
**TELEPHONE: 516-674-2441**  
**FAX: 516-674-3788**

NAME	
ADDRESS	
TELEPHONE	
PURCHASE FROM	
DATE OF PURCHASE	
SERIAL #	
SERIAL # CAN BE FOUND ON THE BACK PANEL OF THE C.A.R.E 2000	



