



**OCA 500/900/1200 Professional Series
Air Purification Machine**

Operation and Maintenance Manual



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WARNING

Safety Warning Instructions:

READ AND SAVE THESE INSTRUCTIONS

This equipment to be operated only after reading the instructions.

Do not use near combustible or explosive material. Fire may occur.

Do not expose to water or rain. Electrical shock may occur.

Connect only to grounded outlet.

Disconnect power for cleaning and servicing.

Disconnect power cord before moving.

Be careful not to tip the unit when moving, as this may cause injury.

Do not operate if cord or plug is damaged. Contact an authorized service facility for examination and/or repair.

Arrange cord away from traffic areas and where it is not a tripping hazard. Do not cover with rug or carpet.

High-intensity Ultraviolet light inside. Avoid eye and skin exposure.

Product Description:

The Omni CleanAir OCA500, OCA900 and OCA1200 Professional Series air purification machines are equipped with medical grade 99.99% HEPA filters and UV-C germicidal Irradiation, which work together to eliminate sub-micron particulates and microbial contamination for healthcare services, dentist offices, personal care facilities and other work environments.

The OCA500, 900 and 1200 are designed to purify air in public and professional environments and are not suitable for abatement or restoration projects. They all feature variable air flow, quiet operation, upright housings for a small footprint, and locking medical grade casters for easy mobility.

Receiving & Unpacking Instructions

Carefully remove unit from packaging. Remove Quick-Start Guide for assistance in setting up the machine for operations. Visually inspect the unit for damage.

If there is any visible damage or missing parts, please contact Omni CleanAir immediately.

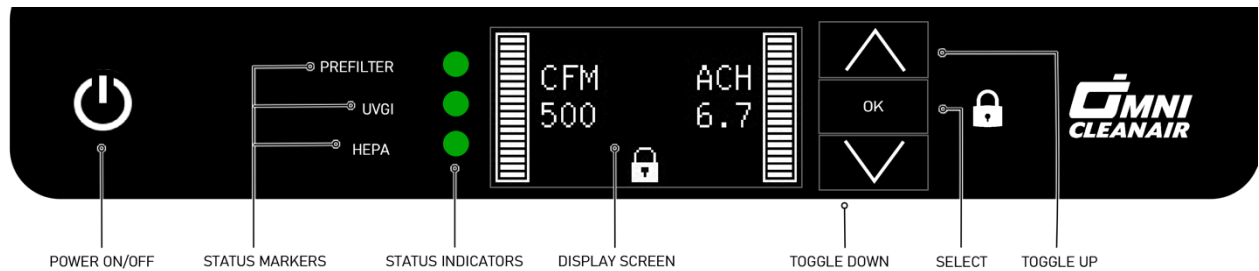
OCA 500/900/1200 Specifications

Machine:	OCA500	OCA900	OCA1200
Dimension	14" x 14.5"x 50"	18x18.5x50"	26x20.5x50"
MIN CFM	250	500	900
MAX CFM	500	900	1200
Sound level	50-65dB	50-65dB	50-65dB
UVC bulb spec	4 x 16W	4 x 16W	4 x 16W
Electrical input	120V/220V	120V/220V	120V/220V
Power requirement	5A/2.5A	10A/5A	15A/8A
Weight	90lbs./41kg	95lbs./43kg	110lbs./50kg
HEPA Dimension	12x12x12"	16x16x12 "	24x18x12
PreFilter dimensions	12X12X2"	16X16X2"	24X18X2"
Warranty	2 years	2years	2years

Accessories & Filters:			
Gold Care Membership*	GCM-1	GCM-1	GCM-1
UVC bulbs, Pack of 4	SureUVC-4pk	SureUVC-4pk	SureUVC-4pk
HEPA filter	HEPA-500H	HEPA-900H	HEPA-1200H
PreFilter, Pack of 4	M11PF-500-4pk	M11PF-900-4pk	M11PF-1200-4pk


* Gold Care Membership renewed annually; per machine, delivering over \$1000 in value each year. Benefits include once per year FREE shipment of replacement filters and UV-C light bulbs for that machine, extended warranty for as long as Gold Care Membership is maintained, free loaner units whenever a machine needs to be returned to us for in-warranty repair, discounts on future product purchases and more. For more information, see www.omnicleanair.com/Gold-Care-Membership.

Display and Monitoring Panel



First Time Setup

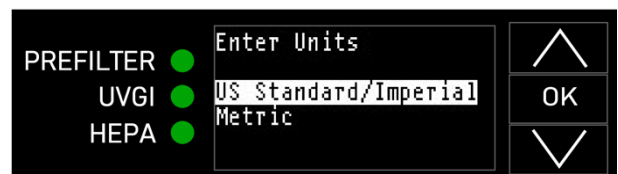
Plug OCA unit into appropriate power source. The power button will flash green.

Press power button  The unit will perform an internal safety/maintenance check. If there are any safety or maintenance issues, one or more of the HEPA, UVGI or PREFILTER indicators will turn red and the housing light for that area will flash blue. If this occurs, consult the Troubleshooting section of this manual.

You will then access the **Enter Guided Setup** screen. Press OK to enter room size and room ID information, or select **Do this later** to bypass setup. (**Note:** if all steps in the Guided Setup are not completed, machine cannot display Air Changes per Hour for the room in which it is operating)



Enter Units prompts to select either US Standard (ft., in.) or Metric (M,cm). You can also enter "Go Back" to return to the previous menu.



Enter Room Size gives you the option to either enter the dimensions of the room the unit will be in, the volume of the room (if known), or "I don't know". "I don't know" sets the unit at its highest output.



If DIMENSIONS or VOLUME is chosen, use the UP/DOWN arrows to increase or decrease the highlighted dimension or room size. Press OK to enter. The display will then advance to the next selection. Press OK when complete.



Enter Room ID allows you to assign a 3 digit alpha-numeric code to the space the unit is located in. This is helpful if you plan to move it frequently. Use the UP/DOWN arrows to change; OK to select.



The unit will then go into operational mode. The display will show Cubic Feet per Minute (CFM) or Cubic Meters per Minute (CMM). This can be adjusted using the UP/DOWN arrows.



Press OK to return to the Main Menu, then press OK again to lock the current settings. This will prevent tampering. Press OK twice again to unlock and adjust settings.



In addition to the CFM/CMM reading, this menu also shows you the current number of Air Changes per Hour (ACH), based on your fan settings and the room size you have entered. For instance, if you had a 2500 cubic foot room and your fan was set at 500cfm, your ACH would be 12 (60 minutes divided by 2500/500). The example above shows an ACH of ???; this would be the reading if you skipped the Guided Setup or entered "I Don't Know" in the Enter Room Size menu.

Normal Operations

Now that Guided Setup has been completed, your unit will return to those settings each time it is turned on. To change these settings, press OK and toggle to Enter Setup Mode. Make desired changes and select Go Back to return to normal operating status.

The machine must be operated with a HEPA and pleated PreFilter in place. We recommend replacing the PreFilter frequently to extend the life of the HEPA.

HEPA Filtration

The HEPA filter purifies the air and will gradually become loaded with sub-micron particulates. Even when the HEPA filter is fully loaded, the filter is still removing particulates from the air at the rated efficiency yet at a reduced airflow. This will affect the ability of the machine to provide positive or negative pressure within the containment.

UV Germicidal Irradiation

UVGI bulbs are installed in the compartment below the HEPA filter. The air passing by the UVGI bulbs is sterilized and the bio-contaminants captured on the HEPA are killed or deactivated. To maintain the full effectiveness of the UV Germicidal Irradiation we recommend replacing the bulbs after 8000 hours of operation.

PreFilter

Near the bottom of the machine and right above the air intake grate is an access door for the pleated PreFilter. The PreFilter is rated Minimum Efficiency Reporting Value (MERV) 11, and is designed to remove dust, pollen, mold spores and other small particles from the air before it passes through the HEPA filter. This will significantly extend the usable lifetime of the HEPA filter, which is much more costly to replace.

Maintenance and Troubleshooting

The OCA Series machines continuously monitor the UVGI, HEPA and PreFilter systems for failures, errors and scheduled replacement times. If any of these systems require attention, the panel status indicator LEDs and the lights in the corresponding areas on the front casing will alert the user and describe the issue. The table below lists the errors in order of their priority. If more than one error occurs simultaneously, the display will list the higher priority error first; then move on to the next when the first one is resolved.

Troubleshooting Error and Status Table

Priority	Display	Panel Status Indicator LEDs						Front Casing Lights					
		HEPA		UV		PreFilter		HEPA		UV		PreFilter	
1	Error: HEPA filter not present	Red	●	On	●	On	●	Flash		Off		Off	
2	Error: HEPA filter install error	Red	●	On	●	On	●	Flash		Off		Off	
3	Error: HEPA filter door open	Red	●	On	●	On	●	Flash		Off		Off	
4	Error: HEPA filter change	Red	●	On	●	On	●	Flash		On	●	On	●
5	Error: UV door open	On	●	Red	●	On	●	Off		Flash		Off	
6	Error: UV bulb burned out	On	●	Red	●	On	●	On	●	Flash		On	●
7	Error: UV bulb scheduled replacement	On	●	Red	●	On	●	On	●	Flash		On	●
8	Error: Pre Filter not present	On	●	On	●	Red	●	Off		Off		Flash	
9	Error: Pre Filter door open	On	●	On	●	Red	●	Off		Off		Flash	
10	Error: Pre Filter change	On	●	On	●	Red	●	On	●	On	●	Flash	

HEPA Filter Installation/Replacement

To replace the HEPA filter unplug the machine and remove the top grill. You will see 4 filter tabs holding the HEPA filter in place. These tabs are secured with 1/4-20 Nylock nuts, which require a 7/16" wrench or socket. Remove all 4 filter tab retaining nuts and remove the filter tabs and set aside. Lift HEPA filter out. Replace with new HEPA filter and replace the filter tabs. Be sure to tighten the locknuts securely to ensure a tight seal with the filter gasket. **ALWAYS TREAT THE USED HEPA FILTER AS HAZMAT AND PROCESS IT ACCORDING TO YOUR ESTABLISHED HAZMAT PROCEDURES.**

Replacing UV Germicidal Bulbs

If the UVGI indicator light turns red, then you will need to access the bulbs to check the operation and/or replace the bulbs. We recommend changing all bulbs simultaneously. **WARNING:** Unplug the unit before opening UVGI light compartment. Remove the 2 screws on each side of the UVGI compartment and gently slide the drawer forward to access the bulbs. The bulbs are each held in with (2) clips; gently pull the light out of the two U-clips, then disconnect the 4-pin connector. Replace the 4 bulbs and return the drawer to its original position. Reinstall the light compartment door. Plug in and turn the unit back on; if the UVGI indicator is still red, the problem could be one or more of the ballasts. Call Omni CleanAir Technical Support for additional assistance

PreFilter Replacement

The pleated filter should be changed when it becomes loaded with dust. To change the filter, turn off the machine, remove the 2 screws on each side of the PreFilter compartment and remove the compartment cover. Remove the dirty filter and replace; then reinstall the cover.

Additional Troubleshooting

- 1. The machine does not start**
 - a. Check that the unit is plugged in and there is sufficient power available.
 - b. Check the power button, which should glow green.
 - c. Check all error indicators and confirm that all functions are operating correctly.
 - d. Contact Omni CleanAir Technical Support to troubleshoot further.
- 2. The machine just hums when turned on**
 - a. Unplug the unit.
 - b. Contact Omni CleanAir Technical Support for further information.

3. The machine vibrates excessively when running

- a. Unplug the unit
- b. Contact Omni CleanAir Technical Support for further information.

Omni CleanAir Limited Warranty Policy

This warranty policy covers Air Purification Systems sold by Omni CleanAir.

Omni CleanAir warrants that our products are free from defects in workmanship and materials under normal use during the warranty period

All Omni CleanAir Air Sanitizing machines, excluding the consumables including the MERV prefilter, HEPA filter and UV light bulbs, come with a standard two (2) year warranty.

The warranty extends to the following parties:

- Customers (individuals or companies) to whom Omni CleanAir directly sells covered products.
- Customers (both individuals and companies) who purchase Omni CleanAir products from an authorized distributor or reseller.

This limited warranty is not transferrable or assignable to any subsequent purchaser, and only applicable in the country where the product was originally purchased.

The following circumstances are not covered by this warranty policy

- Damage caused by an act of nature such as flood, fire, wind, earthquake or lightning.
- Damage caused during shipping or an impact event with other objects.
- Damage caused by improper care or negligence.
- Damage caused by misuse, abuse, mishandling or misapplication.
- Damage caused by alteration or adjustments by unauthorized personnel.

Under no circumstances shall Omni CleanAir or any supplier of Omni CleanAir be liable for any loss, damage or expense, including, but not limited to, loss or damage arising out of the failure of the products to operate for any period of time, inconvenience, the use of rental or replacement equipment, loss of profits or other economic loss, or general, direct, special, indirect, incidental or consequential damages or property damages.

Omni CleanAir offers extended warranty through the Gold Care Membership Program, for as long as membership status is maintained. For more information, please visit www.omnicleanair.com/Gold-Care-Membership.

To Submit a Warranty Claim

Contact our Technical Support department by telephone at 425-512-0379 or email support@omnicleanair.com. Hours are Monday through Friday 7:30 am to 4:00 pm, Pacific Time.

For ease of service, please have the product model name and serial number available, along with the purchase date and invoice number, if applicable.

Our service technicians will work with you to diagnose your technical issue and recommend a suitable course of action to solve your problems swiftly and to your satisfaction.

If it is determined that your product is defective and under warranty, Omni CleanAir will repair or replace, at our discretion, any faulty parts or equipment.

A Return Merchandise Authorization (RMA) will be issued for the defective product.

Upon receipt of the RMA, securely package the item being returned, in its original packing material if possible, and write the RMA number on the outside of the box. Include a copy of the RMA with the return. Contact Omni CleanAir for pickup of the defective product. Failure to return defective products in a timely manner may result in additional shipping charges.

Technical Support contact information

- Telephone (425) 512-0379
- Email support@omnicleanair.com