

2019 **Operation &
Maintenance
Manual**

*Please read and save this manual.
Follow all safety instructions.*



ClensAir™

**Air Sanitation
System**

Models: CLNS10K
or CLNS10K-E

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SAFETY WARNINGS

All personnel should be alerted to the hazards indicated by the product safety labeling on the unit.

To prevent injury, basic precautions should be observed, including the following:

CAUTION

It is the user's responsibility to determine and validate the suitability of this equipment for use in their process or system.

No warranty or representation is made by the manufacturer with respect to suitability or performance of this equipment or to the results that may be expected from its use.

The user should inspect the unit from time to time, clean as necessary and assure that all safety labels are intact and legible. Contact the factory if replacement labels are required.

READ AND SAVE THESE INSTRUCTIONS DO NOT DISCARD

SAFETY INSTRUCTIONS

READ AND FOLLOW ALL SAFETY INSTRUCTIONS IN THIS MANUAL

- The unit is to be used indoors only
- Do not modify the unit in any way
- Use the product for its intended purpose only
- Keep the unit away from any source of liquid or moisture
- Do not remove any of the labels or components
- Power supplied to the unit **MUST** match the requirements of the unit
- Do not operate the unit if any damage is apparent to the box or power cord
- **DO NOT ATTEMPT TO OPERATE THE UNIT WITH THE COVER OFF**
- **DO NOT OVERRIDE THE COVER SAFETY SWITCH OR FILTER SAFETY SWITCH**
- **ALWAYS DISCONNECT POWER BEFORE SERVICE OR MAINTENANCE**

SAFETY LABELS

⚠ WARNING

This luminaire is designed for use with germicidal ultraviolet lamps and must be installed in compliance with competent technical directions so that the user's eyes and bare skin will not be subjected to injurious rays.



⚠ WARNING

ULTRAVIOLET RADIATION

Protect eyes and skin from direct and reflected radiation.



LAMP CONTAINS MERCURY

Do not put in trash. Dispose in accordance with local, state or federal law.

⚠ DANGER ⚠



HAZARDOUS VOLTAGE

Turn off and disconnect power before servicing.

⚠ WARNING ⚠



To reduce risk of electric shock, do not expose unit to water or rain

⚠ WARNING



ULTRAVIOLET RADIATION

Skin or eye damage may result from directly viewing the light produced by the lamp in this apparatus. Always disconnect power before relamping or servicing. Replace Lamp With Aguirer Lamp part number: G24T5L., Manufactured by Aguirer, Inc.

⚠ ATTENTION ⚠

Ce luminaire est conçu pour être utilisé avec des lampes germicides et doit être installé en conformité avec les instructions techniques en sorte que la peau de l'utilisateur et la peau nue ne soient pas soumises à des rayons nocifs.

⚠ AVERTISSEMENT ⚠



NE CONVIENT PAS À DES RÉGULATEURS DE VITESSE À SEMI-CONDUCTEURS



⚠ ATTENTION

RAYONNEMENT ULTRAVIOLET

Protéger les yeux et la peau des rayonnements directs et réfléchis

LES LAMPES CONTIENNENT DU MERCURE



Ne pas jeter à la poubelle. Éliminer conformément aux lois locales, provinciales ou fédérales.

⚠ DANGER ⚠



VOTRE DANGEREUSE

Eteindre et débrancher le courant avant l'entretien

⚠ ATTENTION



RAYONNEMENT ULTRAVIOLET

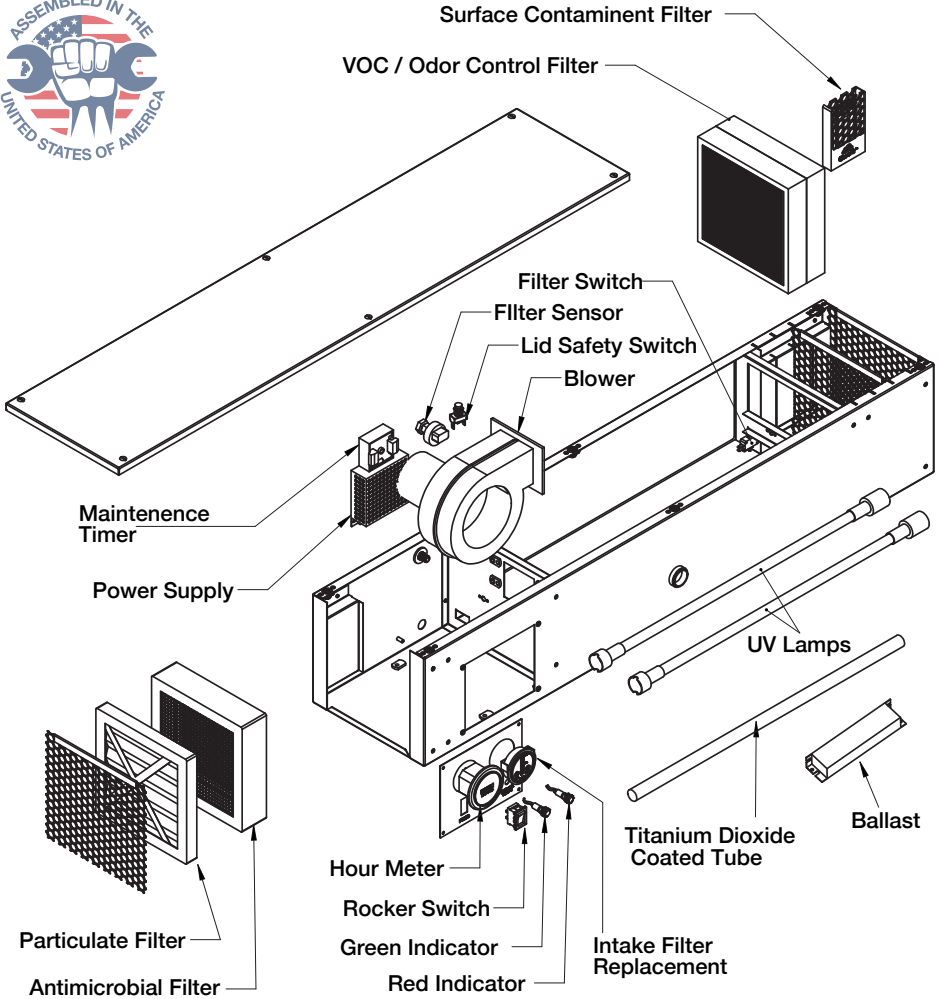
Le fait de voir directement la lumière produite par la lampe de cet appareil peut provoquer des lésions de la peau ou des yeux. Toujours débrancher le courant avant de changer l'ampoule ou d'effectuer un entretien. Remplacer la lampe par le numéro de pièce Aguirer: G24T5L., Fabriqué par Aguirer, Inc.

⚠ ATTENTION ⚠



Pour réduire les risques d'électrocution, n'exposez pas l'appareil à l'eau ou à la pluie.

Major Parts Breakdown



Specifications

Power, 2 models available

- 120 VAC, 2 amps, 60/50 cycles
- 240 VAC, 1 amp, 60/50 cycles

Dimensions

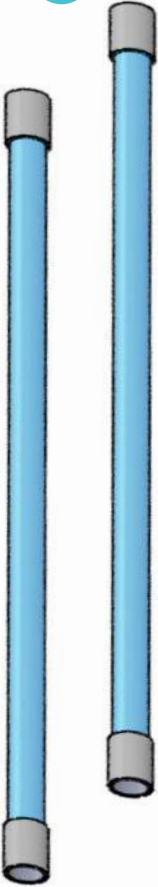
- 42" L x 9.5" W x 8.5" H
- 1067mm L x 241mm W x 216mm H

Weight

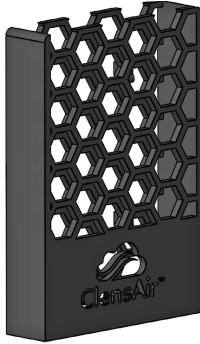
- 34 pounds
- 15.5 kilos

Package Content

1



2



3



4



Included in the assembly:

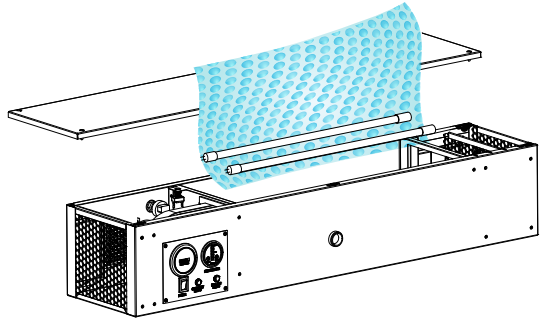
1. UV lamps, Qty: (2)
2. Surf X sachet container, attached to wall of exhaust outlet on Pathogen models, shipped loose with ethylene control models.
3. Surf X foil package
4. TiO₂ coated stainless steel tube

Pre-Installation Requirements

1. A suitable shelf, (option available with the unit) for wall mounting, or customer provided hardware for suspending from ceiling.
2. An AC power outlet, matching the voltage of the unit, within reach of the power cord. Units are available for 120 or 240 VAC.

Unpacking your ClensAir™ Air Sanitation System

The ClensAir™ factory has taken all possible precautions to prevent damage to your system during shipping. In the rare case of damage to the unit or power cord, please contact us immediately before plugging in and using the unit.

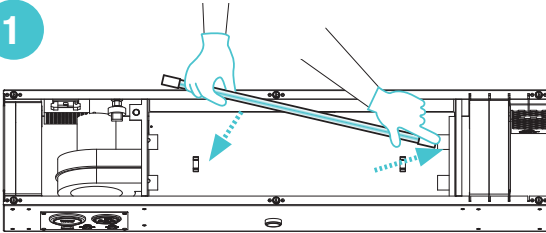


The ultraviolet lamps are packaged in protective foam wrapping, located inside the unit.

Do not discard the packing materials until the unit is running properly.

Set-up Procedure

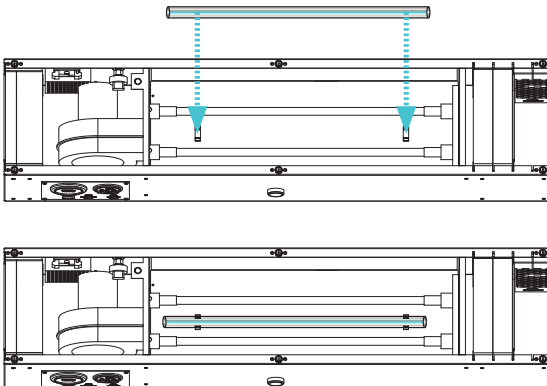
1



Unwrap the UV lamps (**Do not touch the lamp glass with bare hands**, as oil from the skin will adhere to surface causing hot spots and premature lamp failure).

Install the lamps between the two holders, holding the spring loaded one back until the lamp fits in between the two.

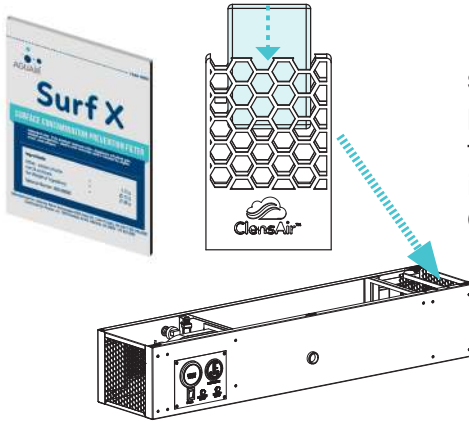
2



Unwrap the titanium dioxide coated tube and insert it into the two clips in the bottom of the lamp box.

Set-up Procedure - *continued*

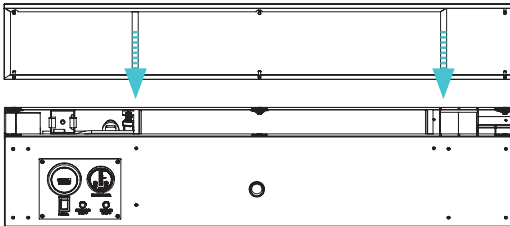
3



Remove the Surf X sachet from its foil packet, and place in the dispenser located in front of the VOC / Odor Control filters.

NOTE: On ethylene models, the dispenser is shipped loose. Simply clip it on the outside of the exhaust grill, in the center.

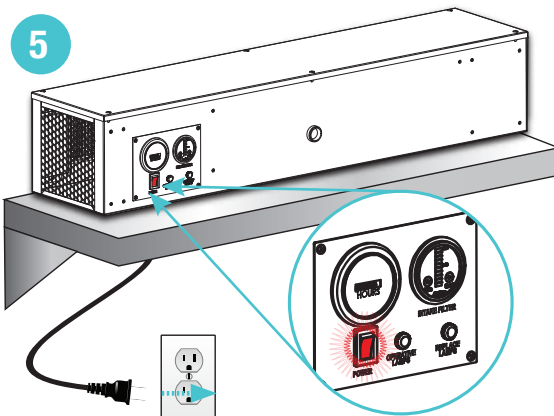
4



Place the cover on top of the box, being careful to match the gasket to the pattern of the box. Press down firmly until the cover edges are completely over the corners of the box.

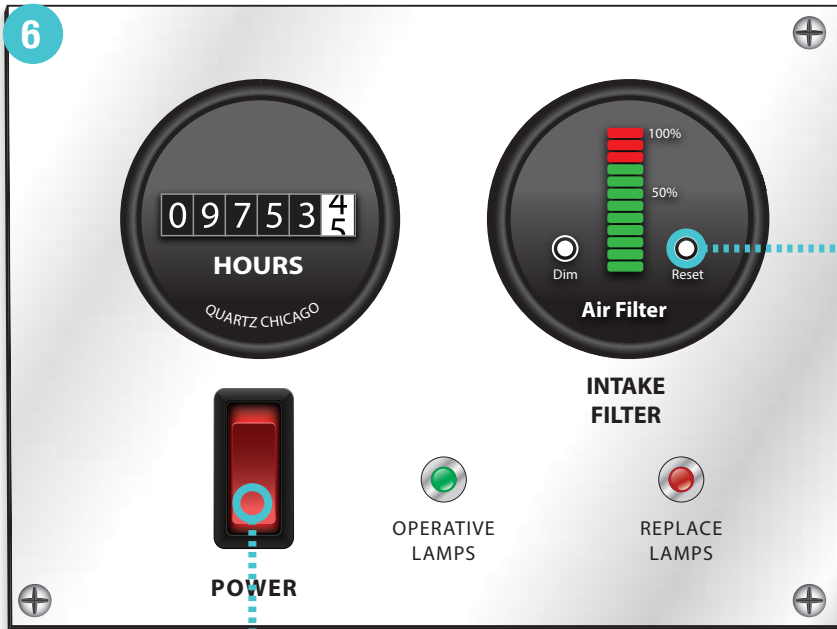
Using a straight blade screwdriver, turn the six fasteners as shown on the lid to lock the lid securely in place.

5



Position the ClensAir™ unit in the desired location and plug in the power cord. The red power switch light will illuminate indicating that the unit is plugged in and power is available.

Set-up Procedure - *continued*



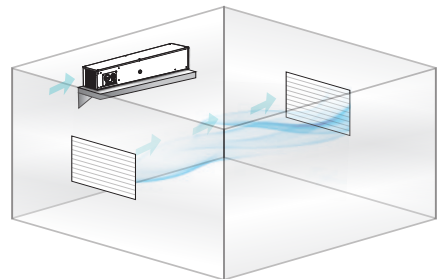
Press the lower part of the power switch on and the unit will begin functioning. You can now start enjoying cleaner air!

If the intake filter indicator is initially in the red, push/hold reset button.

Installation Locations

Install the ClensAir™ unit as central in the room as possible, not close to the floor or corners. Preferable placement should be toward the ceiling, allowing enough clearance for the air to circulate freely.

The intake end should face the source of airflow. Shelf units for wall mounting are available as with the ClensAir™ unit. See shelf installation guide for specific instructions.

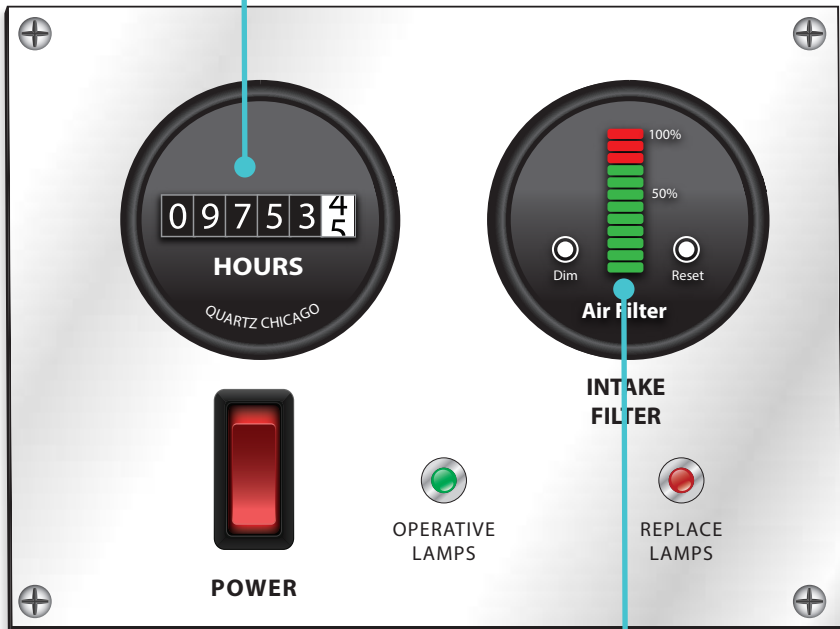


Be sure walls are strong enough to support the weight of the unit. When suspended from a ceiling, the hardware should be of sufficient strength to support the unit as well.

Operation Features

Hour meter

The hour meter will accumulate total time the unit has run. It will not operate if the unit is only plugged in, but not turned on.



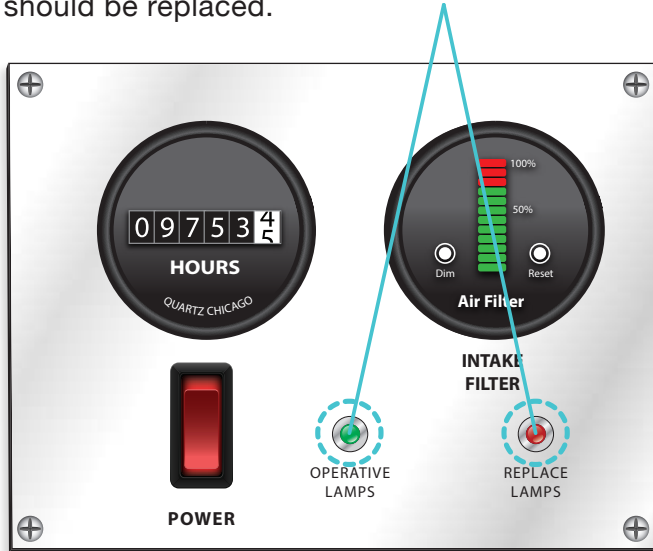
Particulate Filter Indicator

The filter Indicator will display a column of green and red LED's, indicating the condition of the intake filters.

As the green lights rise, the filter is holding more particulate matter. The more it accumulates, the green lights will rise until the red LED's illuminate, indicating filter change time.

Lamp Replacement Warning Lights

The single green and red LED's measure hours of UV lamp operation. The lamps lose their efficiency at 10,000 hours and should be replaced.



To indicate that the timer is working, the green light is on continuously for 50 seconds. It then goes out, and the red light comes on for 2 seconds. The green light will then blink three sequences of three blinks, then stay on for another 50 seconds. This sequence occurs anytime the UV lamps are on.



At 8,000 hours, the red and green LED's will alternate on and off, indicating UV lamp change is approaching.

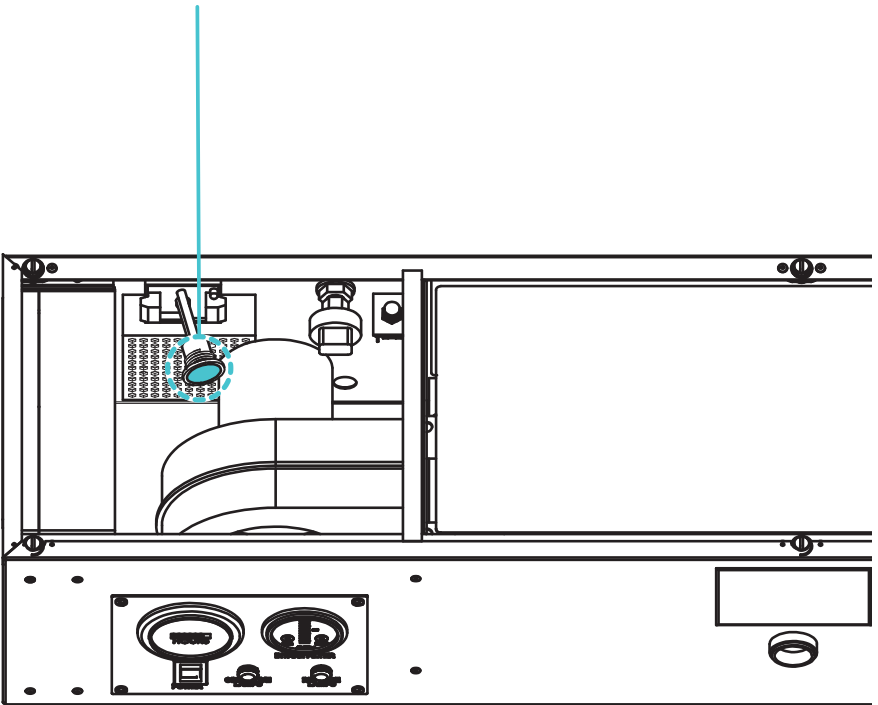


At 10,000 hours, the green light will be off and the red light will flash continuously.

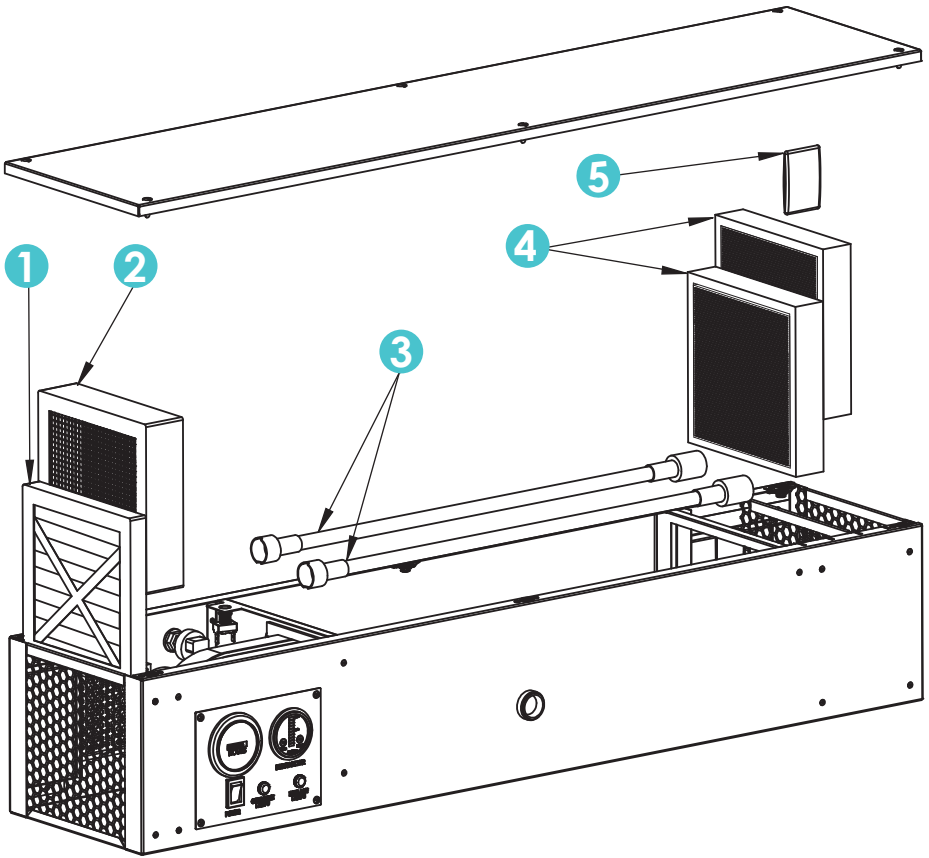


Lamp Replacement Warning Lights - *continued*

When the lamps are replaced, the reset button located in the intake chamber should be pressed and held for 10 seconds to reset the timer.



Maintenance Schedule



No.	Part Number	Description	Maintenance Schedule
1	CLSPRT001	Clensair™ Particulate Filter	3 Months or as needed
2	CLSATM001	Clensair™ Antimicrobial Filter	6 Months or as needed
3	SLGM25401	Smartlite Germicidal Bulb	12 Months
4	CLSCB001	VOC / Odor Control Filter	Only if signs of blockage
5	CLSSX001	Surf X Surface Contamination Filter	3 Months

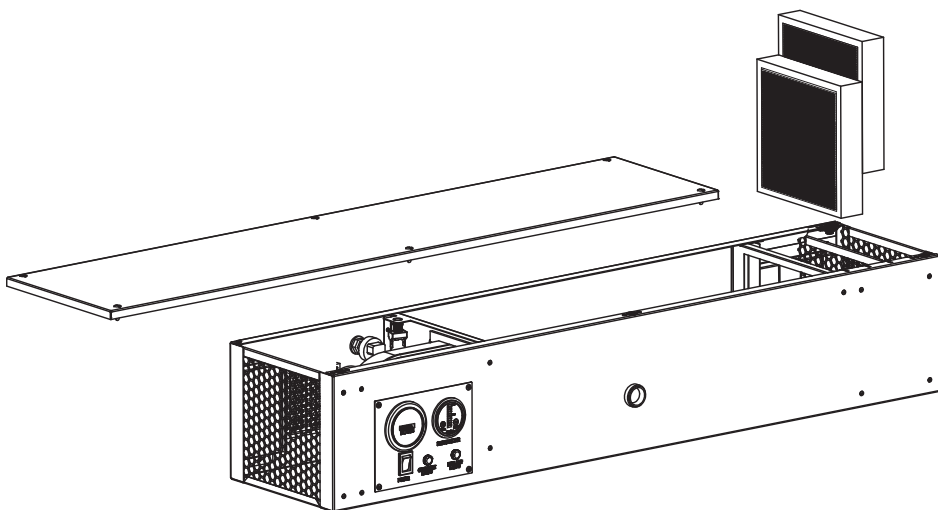
Care and Maintenance

Your ClensAir™ unit has been carefully designed to require minimal attention while providing years of dependable service.

Be sure to disconnect the power to the unit before performing any maintenance to prevent injury! There is 110 volt AC power present in the unit!

Do not override the safety interlock switches! Exposure to the Ultraviolet rays are harmful to the eyes and skin!

VOC / Odor Control Filters



The VOC / Odor control filters are designed for prolonged life, and only need to be replaced if they become plugged with dust.

Antimicrobial Filter

To maintain efficacy of this filter, change it every 12 months or earlier as needed.*

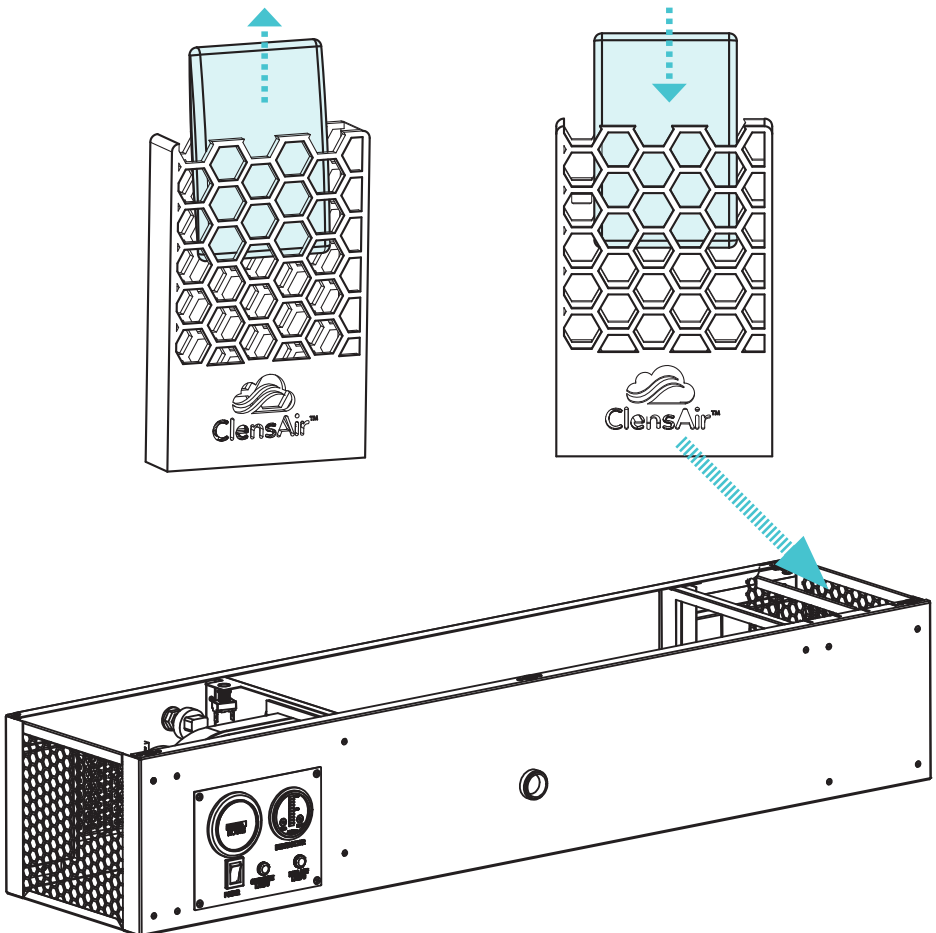
**This will only occur if the intake filters are not changed regularly, or the unit is run without them in place. Regular servicing of the intake particulate filter extends the life of the carbon honeycomb elements.*

Maintenance

Surface Contamination Prevention Filter (Surf X sachet)

Change to a fresh packet every 90 days.

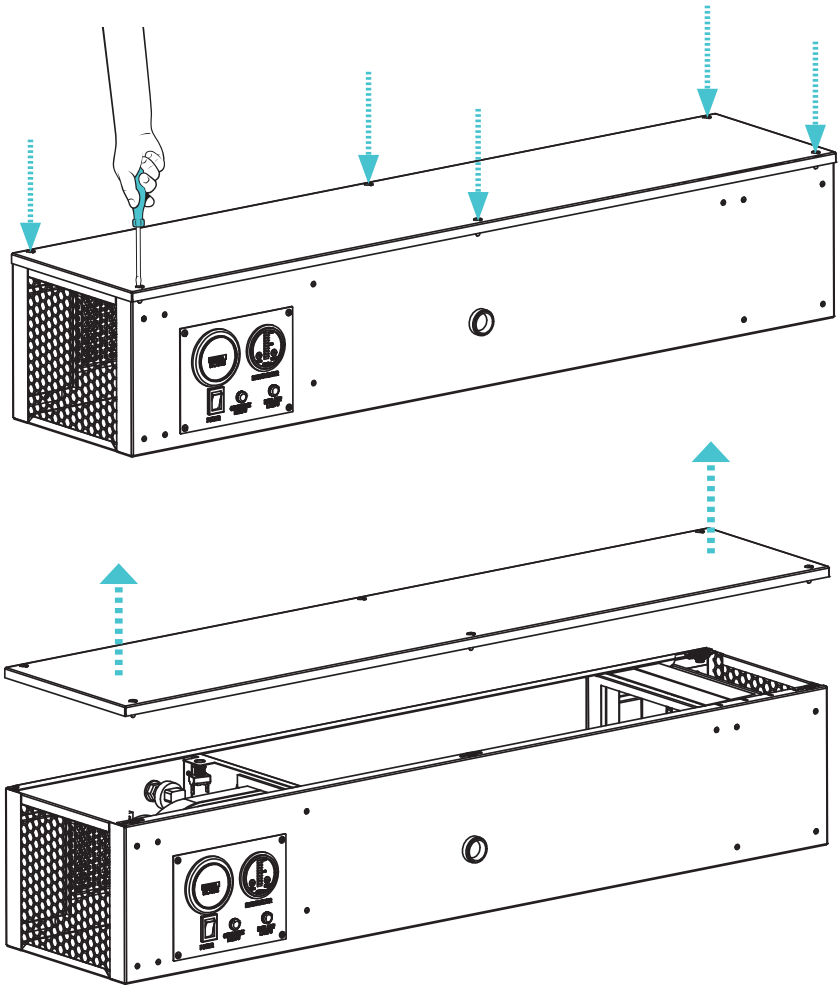
The Surf X sachet should be replaced every 3 months to maintain efficacy. Simply remove the sachet from the dispenser wprovided with each new ClensAir™ unit. A dispenser that houses them is in the exhaust compartment. Open the case, take out and dispose the spent packet. Unwrap the new packet and put in place of the old one, close the case. Repeat every 90 days. Replacements may be purchased from your ClensAir™ dealer.



Maintenance

Intake particulate air filter

- 1 Change as required as indicated by the Filter Minder on the control panel. The green lights will appear and rise as filter restriction increases. When the red lights appear, it is time to change the filter (occurring about every 3 months).



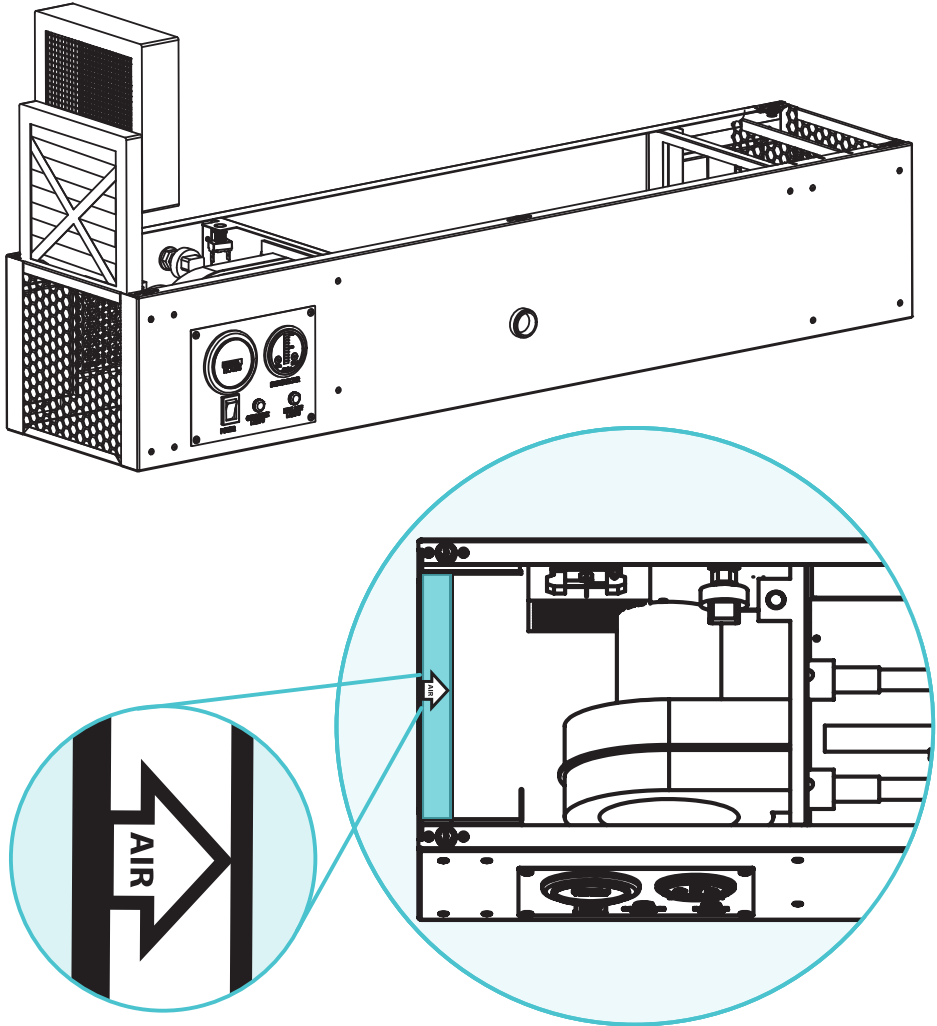
To change the two intake filters, particulate and antimicrobial, remove the lid from the box by loosening the $\frac{1}{4}$ turn fasteners.

Maintenance

Intake particulate air filter - *continued*

2

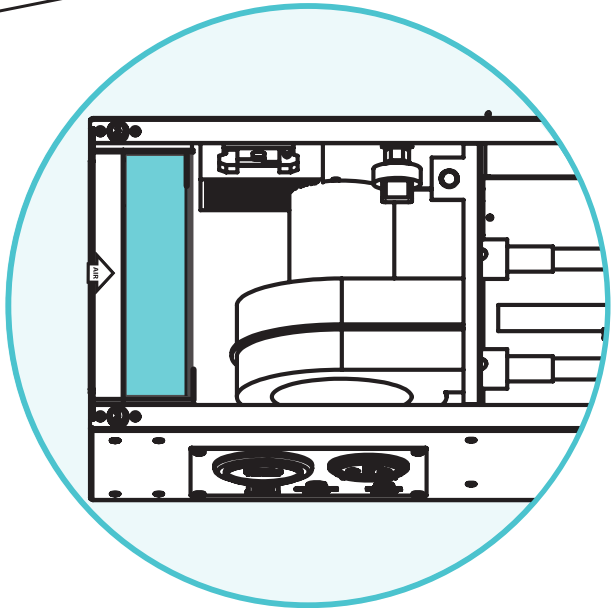
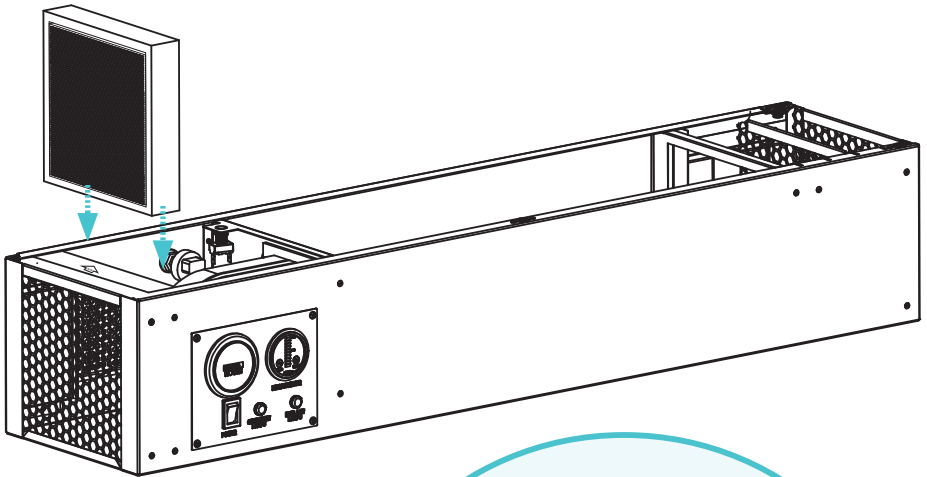
Lift the two filters from their place. Insert the new particulate filter, being careful to line up the arrow on the filter, towards the inside of the box with the pleats horizontal.



Maintenance

Intake particulate air filter - *continued*

- 3 The antimicrobial filter is non directional: just line the pleats up horizontally.



Maintenance

Ultraviolet lamps and reflective chamber

After 8,000 hours, the green and red light alternate. At 10,000 hours, the red light only will blink, signaling the lamps need to be changed.

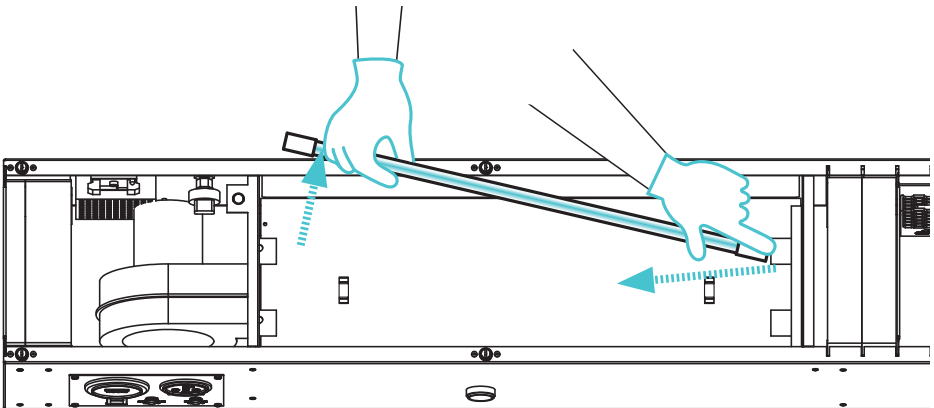
To change the lamps, remove the lid of the enclosure. Wearing gloves, carefully retract the spring loaded lamp holder and remove each lamp. Using a clean, lint-free cotton cloth, wipe the four reflective surfaces with denatured alcohol to remove any film or dust. Install new lamps, being careful not to touch the lamp glass with bare hands.

The used lamps, like fluorescent lamps, contain small amounts of mercury and must be disposed of properly!

Details on proper disposal may be found at www.lamprecycle.org

1

To remove the UV lamps, depress the spring loaded lamp holder to release each lamp. Install the new lamps, being careful not to touch the glass with bare hands, the same way.

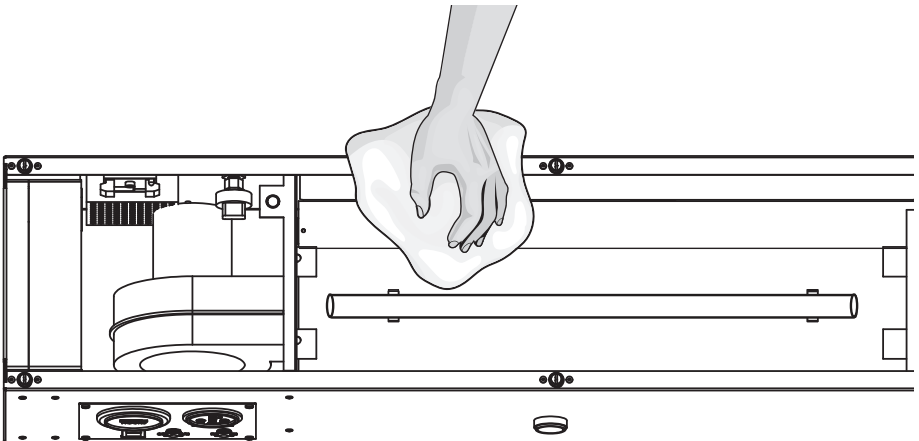


Maintenance

- 2 If your hands ever come in contact with the UV lamps, wipe them down with a soft cloth and denatured alcohol. Oil from the skin will adhere to surface and may cause premature lamp failure.



- 3 Should the reflective plates in the lamp chamber get dirty, carefully remove the UV lamps and stainless steel tube. Use a clean soft cloth and denatured alcohol to gently wipe them down; then, replace the lamps and tube.



ClensAir™ Air Sanitation System Warranty

Model: **CLNS10K** and
CLNS10K-E

At Aguir, we are dedicated to providing innovative designs and well-made products to fit our customers' individual needs. If the product you purchase from us does not perform to the design specifications, we ask for the opportunity to make it right.

If you are still not satisfied, we will make adjustments according to our Limited Warranty and Exclusion of Remedies Policy.

LIMITED WARRANTY AND EXCLUSION OF REMEDIES

Perishable control equipment and component parts distributed by Aguir LLC, its suppliers and agents, as well as new material furnished hereunder, is warranted against any defect in materials or service in accordance with factory recommendations providing that a claim, therefore, is made in writing within the limit set forth as 365 days from the date of invoice for parts and 90 from the date of invoice for labor, and that either Aguir LLC or its Authorized Service Agency's examination, shall disclose to the Distributor's satisfaction to be thus defective.

AGUIR LLC'S OBLIGATION ON ANY CLAIM IS LIMITED TO REPLACEMENT OR REPAIR OF THE DEFECT OR MATERIAL F.O.B. FACTORY.

Warranty continued on following page

Warranty

THERE ARE NO WARRANTIES, EXPRESSED OR IMPLIED, OF ANY NATURE WHATSOEVER, INCLUDING THE WARRANTY OF MERCHANTABILITY, EXCEPT AS SPECIFICALLY SET FORTH HEREIN.

Except as stated above, Aguir LLC, its suppliers, and agents will not be liable for any loss, injury, or damages to persons or property resulting from failure of defective operation of any material, equipment, or installation furnished hereunder or delay in performance of this agreement, nor will it be liable for direct, indirect, special, incidental, or consequential damages of any kind sustained from any cause. This writing expresses the entire agreement, and no other agreement, statement, or representation shall be binding unless reduced to writing.

Parts Contact:

678.671.2757

844.993.3660 (toll free)

sales@aguir.com

Visit our website for more great products and solutions



aguir.com



Maintenance Scheduler

Write in schedule to know exactly when it is time to change filters.

Start date of unit _____

Surf X Surface Contamination Filter | Change Every 3 Months

Change Date	Change Date	Change Date	Change Date	Change Date
Change Date	Change Date	Change Date	Change Date	Change Date

Clensair™ Particulate Filter | Change Every 3 Months

Change Date	Change Date	Change Date	Change Date	Change Date
Change Date	Change Date	Change Date	Change Date	Change Date

Clensair™ Antimicrobial Filter | Change Every 12 Months

Change Date	Change Date	Change Date	Change Date	Change Date

Smartlite Germicidal Bulb | Change Every 12 Months

Change Date	Change Date	Change Date	Change Date	Change Date



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