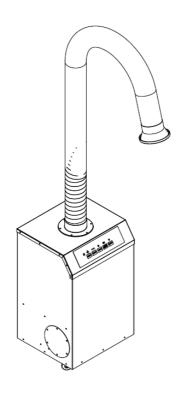


HealthyAir® Aerosol Extractor HA-SCP-G5-AE



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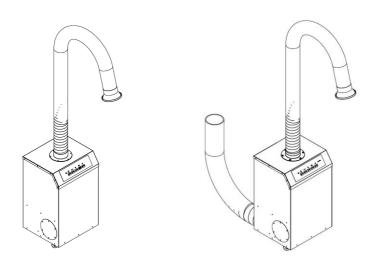


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HealthyAir® Aerosol Extractor Model HA-SCP-G5-AE



Recirculating Ventilation

Outside Ventilation

HA-IFM-1111-AE Replacement Filter



www.HealthyAir.com





Unplug the power cord before servicing or replacing filters. Failure to do so could result in serious personal injury and death.

I. Important Safety Instructions

Read the Owner's Manual and Important Safety Instructions carefully. Failure to follow these instructions could cause a malfunction of the unit.

It is advised that a surge protector device with a minimum rating of 1,000 Joules is used to protect the HealthyAir® unit from damage by AC power transients or lightening surges.

To reduce the risk of electric shock, fires, and/or injury:

- Do not use the unit in wet or damp locations
- Do not use outdoors
- Do not use at ambient temperature of above 95°F/35°C
- Do not use fabrics or other material to cover the inlet and outlet of the unit
- Do not allow children to operate or play with the unit

For safety reasons and to prevent electric shock, unplug the power cord from the electric outlet socket under the following conditions:

- When not in use for a long period of time
- When cleaning, servicing, moving, or replacing filters

To prevent electric shock, do not dismantle, repair or modify this product. Maintenance and cleaning instructions should be followed exactly as directed in this manual. In case of malfunction, please contact an authorized distributor or Healthy Air Inc. for service instructions.

To reduce the risk of electric shock, the 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.

To reduce the risk of electric shock, do not pull the cord to remove the plug from its outlets. Protect the cord against heat, oil and sharp objects. Do not run any appliance over the cord. Do not pull or carry by the cord, use cord as a handle, close a door on the cord, or pull cord around sharp edges or corners.

II. Technical Specifications

Visit www.HealthyAir.com and select Specifications from the menu bar to download detailed Specification Sheet, with complete product dimensions and air flow rate information.

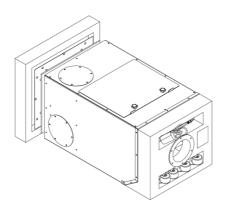
Model Numbers	HA-SCP-G5-AE-W (White) HA-SCP-G5-AE-G (Gray) HA-SCP-G5-AE-B (Black)
Rated Voltage	120V/60HZ
Power Consumption	200W
Weight	40 lbs. (18 kg)
Base Dimensions	14x12x24 in. (350x310x615 mm)
Flex Hose Length (Standard)	5'6" (168 cm)

Download Specifications Sheet from Specifications page at www.HealthyAir.com

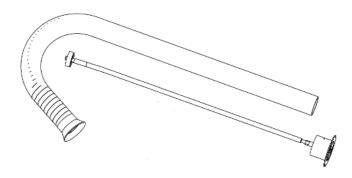
III. Packaging Reference

The HealthyAir® Aerosol Extractor is shipped in two (2) cartons:

Carton 1: (1) HealthyAir® Aerosol Extractor, (1) Integrated Filter Module, (1) Outlet Flange, (1) Outlet Base Blank-Off Plate, (4) Caster Wheels, (1) Acoustic Mat, (1) Remote Control, (1) Power Cord, (1) Screwdriver, (1) Nut Driver, (1) Manual Reference Sheet



<u>Carton 2</u>: (1) Extraction Hose, (1) Hood, (1) Hose Clamp, (1) Inlet Tube, (1) Gooseneck, (1) Centering Ring

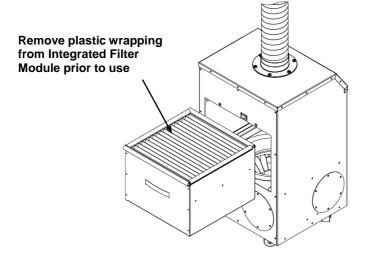


IV. Packaging Notice

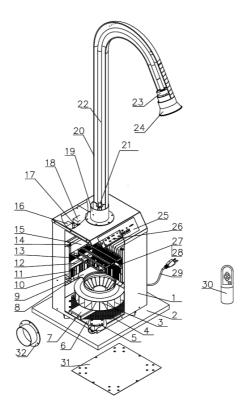


Before operating the machine, do the following:

- 1. Open the Access Door (Refer to Section 8.2)
- 2. Remove the Integrated Filter Module
- 3. Remove the plastic wrapping from the filter
- 4. Re-install the Integrated Filter Module
- 5. Replace and secure the Access Door



V. Component Reference



- 1. Outer Frame
- 2. Acoustic Mat
- 3. Blower/Motor
- 4. Metal Screen
- 5. Caster Wheels
- 6. Base Plate
- 7. Motor Mount Plate
- 8. Baffle Plate
- 9. Air Inlet Guide
- 10. Integrated Filter Module
- 11. Activated Carbon Filter

- 12.eHEPA® Filter
- 13. eGrid
- 14. Silicon Seal
- 15. Pre-Filter
- 16. HV PCB
- 17. Switch
- 18. Capacitor, PCB
- 19. Inlet Tube
- 20. Flex Hose
- 21.Gooneck Connector
- 22. Gooseneck

- 23. Centering Ring
- 24. Hood
- 25. Control Panel Display
- 26. Control Panel
- 27. HV Contact Spring
- 28. Plastic Screw
- 29. Power Cord
- 29. Remote Control
- 30. Base Blank-Off Plate
- 31. Outlet Flange

6.1 Recirculating Ventilation Setup

The following procedure is for Recirculating Ventilation configuration of the unit, whereby filtered air is discharged from the bottom vent and reintroduced into the facility.

For Outside Ventilation configuration, that enables connection of the unit to an exhaust duct to vent filtered air out of the facility, skip Section 6.1 and refer to installation instructions in Section 6.2.

- 6.1.1 Place the unit on its side on a flat surface, as shown in Fig. 1.
- 6.1.2 Locate the four (4) Caster Wheels and the Screwdriver.
- 6.1.3 Unscrew and remove the screws that are pre-mounted on the Base Plate, on the bottom of the unit. There are four (4) screws per wheel, for a total of sixteen (16) screws.
- 6.1.4 Align the holes of the base of the Caster Wheel with the holes on the Base Plate and use four (4) screws to securely mount each Caster Wheel to the Base Plate.

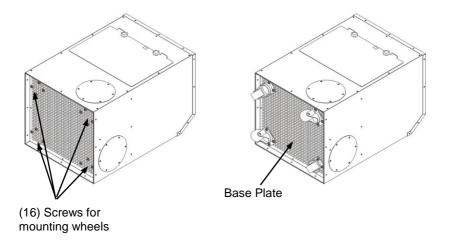


Fig. (1) – Caster Wheel Installation

6.2 Outside Ventilation Setup (Optional)

The HealthyAir® Aerosol Extractor can be setup for Outside Ventilation to enable connection of the unit to exhaust ducting.

To reconfigure the unit for Outside Ventilation, install the Outlet Flange and Base Blank-Off Plate, shown in Fig. 2.

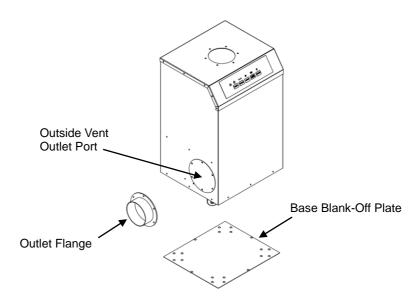


Fig. (2) – Outside Ventilation Setup

The unit has two Outside Vent Outlet Ports, one located on the back panel and one located on the side panel, as shown in Fig. 3. Either Outlet Port may be used for outside venting, depending on which configuration is more suitable for connection to exhaust ducting.

6.2 Outside Ventilation Setup (Optional)

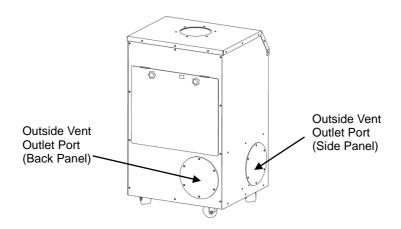


Fig. (3) – Outside Vent Outlet Ports

- 6.2.1 Remove the (16) Caster Wheel Screws that are preinstalled on the Base Plate.
- 6.2.2 Turn the unit upside down and position the Base Blank-Off Plate over the Base Plate.
- 6.2.3 Position the Base Blank-Off Plate such that the bolt pattern for the Caster Wheels on the Base Blank-Off Plate aligns with the bolt pattern on the Base Plate.
- 6.2.4 Install each of the four (4) Caster Wheels and ensure that they are tightly screwed in to secure the Base Blank-Off Plate.

Note, for Outside Ventilation application the unit may also be setup without the use of the Caster Wheels. In this case, simply reinstall the (16) Caster Wheel Screws to secure Base Blank-Off Plate.

6.2 Outside Ventilation Setup (Optional)

- 6.2.5 Install the Outlet Flange on one of the Outside Vent Outlet Ports (either Back Panel or Side Panel), as shown in Fig. 4
- 6.2.6 Ensure that the Outlet Port Cover Plate remains installed on the Outlet Port that is not being used and that it is secure, so that the seal between the plate and adapter is airtight.
- 6.2.7 Connect a standard 4" diameter Exhaust Duct (not supplied) to the Outlet Flange and use a standard hose clamp to secure the connection.
- 6.2.8 Run the Exhaust Duct out of the facility per applicable IMC codes.

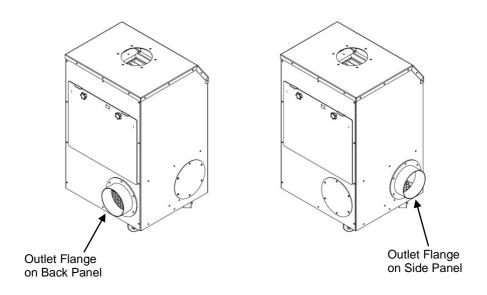


Fig. (4) – Outlet Flange Installation

6.3 Inlet Tube Installation

- 6.3.1 Unscrew and remove the six (6) M5x16 screws that are pre-mounted around the 4" Ø cutout on the top of the unit, as shown in Fig. 5.
- 6.3.2 Position the Inlet Tube on top of the unit, such that the tube aligns with the 4" Ø cutout and the hole pattern at the base of the Inlet Tube aligns with the hole pattern on the main unit. Then secure the Inlet Tube to the unit by screwing in the six (6) M5x16 screws.

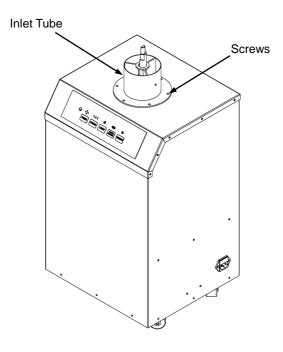


Fig. (5) – Inlet Tube Installation

6.4 Gooseneck Installation (Optional)

- 6.4.1 Insert the threaded end of the bottom of the Gooseneck into the hex nut in the center of the Inlet Tube and rotate the rod to secure it to the Inlet Tube, as shown in Fig. 6.
- 6.4.2 Mount the Centering Piece onto the other end of the Gooseneck and fix it in place by tightly screwing the M16 hex nut above it.

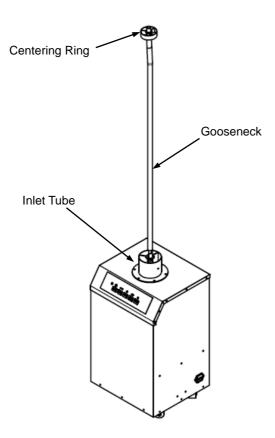


Fig. (6) - Gooseneck Installation

6.5 Extraction Hose Installation

The Extraction Hose is constructed of interlocking bands that enable it to be flexible. Note that, the hose will unravel if it is bent past its tolerance point.

6.5.1 Install the Extraction Hose on the unit by sliding the end of the Extraction Hose over the Inlet Tube, as shown in Fig. 7.

If the diameter of the Extraction Hose needs to be increased to fit over the Inlet Tube, rotate the end of the hose counterclockwise. If the diameter of the Extraction Hose needs to be decreased to tightly fit the Inlet Tube, rotate the end of the hose clockwise.

6.5.2 Position the Hose Clamp at the base of the Extraction Hose and use the Hex Nut Driver to rotate the hex nut to tighten the Hose Clamp and secure the Extraction Hose on the Inlet Port. Ensure that the connection is tight to restrict leakage of air.

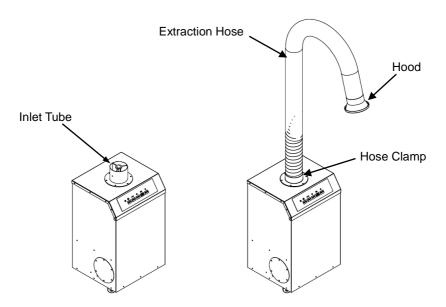


Fig. (7) - Extraction Hose Installation

6.6 Hood Installation

The Hood is designed to be removable and has a base composed of two concentric cylinders, that enable it to slide into and over the top end of the flex hose.

6.6.1 Ensure that the diameter at the top end of the Extraction Hose is approximately 3"Ø

If the diameter of the Extraction Hose needs to be increased to fit in between the concentric cylinders of the Hood, rotate the end of the hose counterclockwise. If the diameter of the Extraction Hose needs to be decreased to fit in between the concentric cylinders of the Hood, rotate the end of the hose clockwise.

- 6.6.2 Slide the end of the Hood into the top end of the Extraction Hose, such that the wall of the flex hose fits in between the concentric cylinders at the base of the Hood, as shown in Fig. 8.
- 6.6.3 Ensure that the connection between the Hood and Hose is tight, by holding onto the base of the Hood and rotating it counterclockwise.

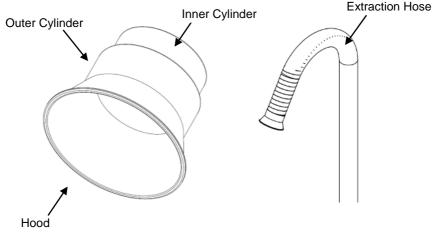


Fig. (8) – Hood Installation

VII. Operation Guidelines

7.1 Acoustic Mat

Place the HealthyAir® Aerosol Extractor in the desired location and place it on the Acoustic Mat to dampen the sound.

7.2 System Activation

It is advised that a surge protector device with a minimum rating of 1,000 Joules is used to protect the HealthyAir® unit from damage by AC power transients or lightening surges.

7.2.1 Plug the Power Cord into the Power Socket, located on the bottom of the side panel of the unit, and then plug the other end of the cord into a wall power socket.

Once plugged in, the Power indicator light [\circlearrowleft] will turn on and display a red light.

7.2.2 Activate the unit by pressing the Power button located on the Control Panel, shown in Fig. 9, or on the Remote Control.

Once the unit is powered, the motor will start with the Fan Speed set to the Mid-Speed and the eHEPA® indicator will light up and display a green light, which indicates that the eHEPA® system is activate.

7.3 System Controls

Each of the respective control elements shown on the Control Panel Display in Fig. 9 work as follows:

- SPEED button, on the Control Panel and Remote Control, adjusts the volume of airflow being taken in through the hood. Airflow speed can be adjusted to one of three settings: Low – Mid – High Speed.
- eHEPA button, on the Control Panel and Remote Control, turns the
 eGrid on and off. When the eGrid is powered the symbol above the
 eHEPA button, as well as the eGrid Active light, will turn green.
 Pressing the eHEPA button once more will shut off the eGrid and turn
 off the indicator light.

VII. Operation Guidelines

7.3 Source Capture System Controls

 TIMER button, on the Control Panel and Remote Control, is for operation of the timing clock. When this feature is in use the unit will automatically shut off after the set time expires. The system's default timing is 4 hours of operation.

To set the timer manually, press the TIMER button once for every hour you wish to run the machine (i.e. press TIMER once for 1-hour of run time, press TIMER twice for 2-hours of run time, press TIMER three times for 3-hours of run time, and press TIMER four times for 4-hours of run time).

If the TIMER button is pressed five (5) times, such that it passes through the complete timing schedule, it will run continuously until the unit is manually turned off.

- LIGHT (Optional) button, on the Control Panel and Remote Control, turns the Hood LED Light on and off. When the LED Light is on the symbol above the button turns green. Pressing the LIGHT button once more will turn off the LED Light as well as the indicator light.
- eGrid Active indicator light, on the Control Panel, indicates the status
 of the eHEPA® and eGrid system. When the eGrid Active indicator
 light is on, while the eHEPA button is on, the eGrid is functioning
 properly. If the eGrid Active indicator light is off, while the eHEPA
 button is on, it signals that the eGrid is malfunctioning and the unit
 requires service.



Fig. (9) - Control Panel Display

VIII. Filter Replacement

8.1 Replacement Filter

The HealthyAir[®] Aerosol Extractor (HA-SCP-G5-AE) utilizes the HealthyAir[®] Series 1111 AE Integrated Filter Module (HA-IFM-1111-AE), available at www.HealthyAir.com.

Note that, only manufacturer supplied HealthyAir® Replacement Filters are compatible with the HealthyAir® Aerosol Extractor. No other replacement filters are to be used with this unit. The improper use of non-manufacturer supplied filters will void any potential warranty claim.

8.2 Filter Change

When the unit has been in operation for 400-hours, the Filter Change indicator light, on the Control Panel, will begin to flash indicating that the filters must be replaced as follows:

Note: Depending on usage and contaminates in the environment, the filter may need to be replaced before or after the 400-hour default cycle expires.

- 8.2.1 Turn the Power Off and unplug the Power Cord from the Power Socket.
- 8.2.2 Remove the Access Door by unscrewing the two (2) Thumb Screws, as shown in shown in Fig. 10.

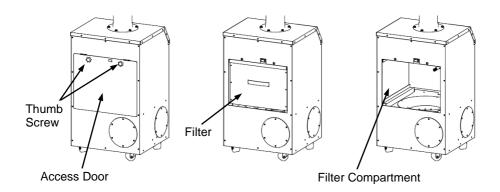


Fig. (10) - Access Door Removal

VIII. Filter Replacement

8.2 Filter Change

8.2.3 Remove the used Integrated Filter Module.

Caution: The HV Contact Spring may store a slight charge even after the unit is powered off. Avoid direct contact with the HV Contact Spring.

- 8.2.4 Install a new Integrated Filter Module into the Filter Compartment, as shown in Fig. 11. Ensure that the plastic wrap is removed prior to installing the replacement filter.
- 8.2.5 Reinstall the Access Door, ensuring that the Access Door is properly inserted back into its track. Once the Access Door is properly aligned and set in place, secure it by screwing in the Thumb Screws.

Note that, if the Access Door must be properly installed to engage the Safety Switch. If the Safety Switch is not engaged, the unit will not power on.

8.2.6 Plug the Power Cord back into the Power Socket and wall socket.

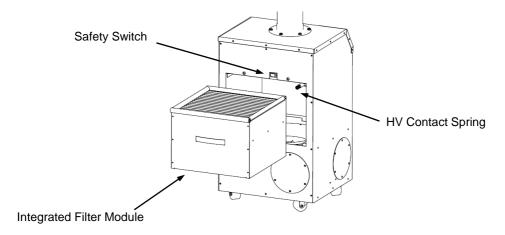


Fig. (11) - Replacement Filter Installation

VIII. Filter Replacement

8.3 Filter Change Indicator Light Reset

Once the filter has been replaced and the unit is powered on, the Filter Change indicator light may continue to flash. To reset the filter change timer and deactivate the flashing light, go through the following reset procedure:

- 8.3.1 Unplug the Power Cord from the Power Socket, wait a couple seconds and plug the Power Cord back into the Power Socket.
- 8.3.2 Press the Power Button [\circlearrowleft] to turn on the unit.
- 8.3.3 Press and hold down the Power Button [\circlearrowleft] on the Control Panel (not the Remote Control) for five (5) seconds.
- 8.3.4 After five (5) seconds, release the Power Button. The filter change timer will reset to 400-hours, after which the Filter Change indicator light will shut off.

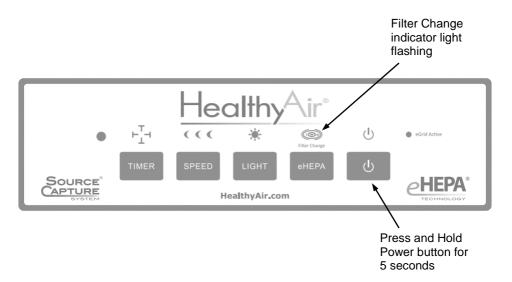


Fig. (12) - Filter Change Indicator Light Reset

IX. Maintenance

Caution: The HV Contact Spring may store a slight charge even after the unit is powered off. Avoid direct contact with the HV Contact Spring.

9.1 Cleaning Filter Compartment

Visually inspect the interior of the Filter Compartment when the filter is removed from the unit during the filter replacement process. If particulate has accumulated in the Filter Compartment, clean the interior of the unit as follows:

- 9.1.1 Turn the Power Off, unplug the Power Cord from the Power Socket, remove the Access Door, and remove the filter from the unit.
- 9.1.2 Vacuum and wipe away any debris that has accumulated in the filter compartment and adjacent accessible areas of the interior of the unit.
- 9.1.3 Properly replace the Access Door, as described in Section 8.2.

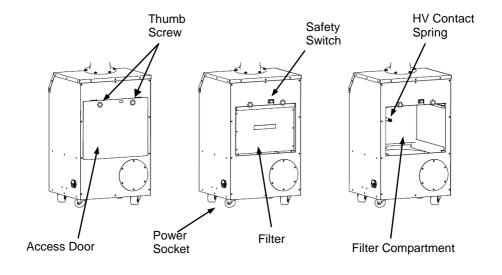


Fig. (13) – Cleaning Filter Compartment

IX. Maintenance

9.2 Extraction Hose Cleaning

The inlet section of the Extraction Hose may be cleaned with the use of a 3" diameter pipe brush and sanitizing spray, with the unit turned off.

For a deeper cleaning, periodically uninstall the hose from the unit to run a greater volume of disinfectant solution through the hose over a sink. Allow the Extraction Hose to fully dry before reinstalling it on the unit.

To reduce the possibility of damage to the unit, it is recommended that the Extraction Hose is removed from the unit prior to cleaning.

9.3 Extraction Hose Replacement

The Extraction Hose is susceptible to wear over time and may be periodically replaced to restore proper function of the unit.

Users may also obtain a spare Extraction Hose to have one on standby and available to interchange while cleaning the other hose.

The following are the standard-length replacement hose for the HealthyAir[®] Aerosol Extractor HA-SCP-G5-AE, available at www.HealthyAir.com:

- HA-HW-3-C-5.5 White 3"Ø 5' 6" Length
- HA-HB-3-C-5.5 Black 3"Ø 5' 6" Length

Note that, custom length hose is also available. Please contact us for additional information.

The Basic Service Guide will cover most performance issues. If you continue to experience issues after referring to this list, please contact Healthy Air Inc.

10.1 System is Inoperable

If the unit fails to power on, the issue may be the result of one of the following causes. In some cases, the unit will require service by the manufacturer or a professionally licensed electrician.

Possible Cause	Solution
Fuse blown	Replace the Fuse
Safety Switch not engaged	Properly close the Access Door
Safety Switch malfunction	Replace the Safety Switch
Display Board malfunction	Replace the Display Board
PC Board delay function	Unplug and re-plug Power Cord
PC Board malfunction	Replace the PC Board

10.2 System Powers On but Unit is Inoperable

If the unit powers on but fails to operate properly, the issue may be the result of a faulty electrical board and will require service by the manufacturer or a professionally licensed electrician.

Possible Cause	Solution
Display Board malfunction	Replace Display Board
PC Board malfunction	Replace PC Board

10.3 System Powers On but Fan is Inoperable

If the unit powers on but the fan fails to operate, the issue may be the result of a faulty motor and will require service by the manufacturer or a professionally licensed electrician.

Possible Cause	Solution
Display Board malfunction	Replace the Display Board
PC Board malfunction	Replace the PC Board
Fan/Motor malfunction	Replace the Fan/Motor

10.4 Fan Speed Cycle Error

If the unit does not properly cycle through all three (3) fan speed settings, or the unit shuts off when cycling through the fan speed settings, the issue may be the result of one of the following causes.

Contact the manufacturer for the Control Panel reset instructions. If that does not resolve the issue, the unit will require service by the manufacturer or a professionally licensed electrician.

Possible Cause	Solution
Control Panel program error	Control Panel reset procedure
Display Board malfunction	Replace Display Board

10.5 Extraction Hose Fails to Remain in Position

If the Extraction Hose assembly fails to remain in position, the issue may be the result of one of the following causes or may require replacement parts.

Possible Cause	Solution
Flex Hose rigidity reduced	Rotate Flex Hose clockwise to reduce diameter of hose
Loose Flex Hose connection	Tighten Hose Clamp
Gooseneck not in use or broken	Install or replace Gooseneck

10.6 Flex Hose Unravels

If the Flex Hose is lengthened, expanded or bent past its tolerance point, the hose may come apart and unravel. The issue may be the result of one of the following causes and may require replacement parts.

Possible Cause	Solution
Expanded past tolerance	Reconnect or replace Flex Hose
Lengthened past tolerance	Reconnect or replace Flex Hose
Bent past tolerance	Reconnect or replace Flex Hose
Flex Hose faulty	Replace Flex Hose

10.7 Remote Control is Inoperable

If the Remote Control fails to operate the unit, the issue may be the result of one of the following causes and may require replacement parts or service by the manufacturer or a professionally licensed electrician.

Possible Cause	Solution
Battery nearly exhausted	Replace batteries
Remote Control faulty	Replace Remote Control
Display Board fault	Replace Display Board

10.8 Reduced Airflow/Reduced Collection Efficiency

If the fan/motor is properly functioning, but the unit exhibits reduced airflow and/or reduced particulate collection efficiency the issue may be the result of one of the following causes and may require filter replacement.

Possible Cause	Solution
Integrated Filter is fully loaded	Replace Integrated Filter Module
Flex Hose connection is loose	Secure Flex Hose to Inlet Port
Outlet Vent is blocked	Ensure Outlet Vent is unobstructed

10.9 Filter Change Indicator Light is Flashing

If the Filter Change indicator light is flashing, the filter change timer has expired, and the filters should be replaced.

If the filters appear to be unsaturated and the unit is properly functioning when the timer expires, the timer can be reset, and the unit can continue to operate with the same filters for an additional cycle.

Possible Cause	Solution
Filter change cycle timer expired	Replace filters and reset timer

XI. Electrical Wiring Schematic

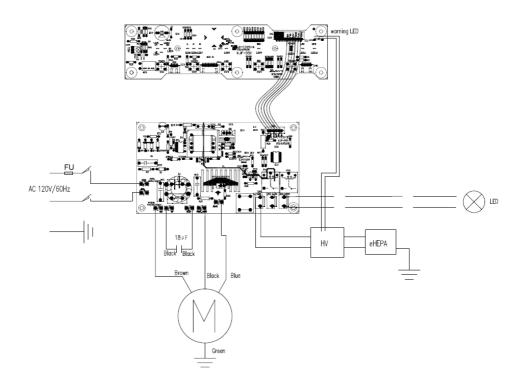


Fig. (14) - Electrical Wiring Schematic

Healthy Air Inc. 1-Year Limited Warranty

Healthy Air Inc. only makes this 1-Year Limited Warranty ("Limited Warranty") to the original retail purchaser who submits the enclosed Warranty Registration Card within 10 days of purchase by email to Sales@HealthyAir.com.

This Limited Warranty applies only to the repair or replacement of any manufactured or supplied part of this product which, upon inspection by Healthy Air Inc. authorized personnel, proves to have failed in normal use due to defects in material or workmanship.

The sole responsibility of Healthy Air Inc. under this Limited Warranty is, in its sole discretion, to either repair or replace a duly registered product (or defective part thereof) with the same or a comparable model within a reasonable period of time, subject to the following exclusions, limitations, statutory rights and warranty claim procedures.

This Limited Warranty is exclusive, and Healthy Air Inc. expressly disclaims all other or additional warranties, whether written or oral, expressed or implied, including, but not limited to, warranties of merchantability, workmanship, or fitness for a particulate purpose.

Retain proof of purchase and the original box and packing materials.

Exclusions to the Warranty

This Limited Warranty does not apply, or is void, as to any product or part damaged by (1) accident, misuse, abuse, or lack of reasonable care or normal maintenance; (2) installation or operation under conditions other than those recommended by Healthy Air Inc.; (3) subjecting the product to any but the specified voltage; (4) servicing or disassembly by unauthorized personnel; (5) removing or defacing the serial number; or (6) modifying the original factory-assembled unit in any way.

This Limited Warranty does not apply to shipping charges for product shipped to or from the manufacturer or designated distributor in connection with warranty claims nor does it apply to any damages that occur during such shipment.

This Limited Warranty does not apply to installation, removal, reinstallation, and/or related expenses. This Limited Warranty does not apply to replacement filters.

Healthy Air Inc. 1-Year Limited Warranty Product Registration Form

Please complete the Product Registration Form and submit it to Healthy Air Inc. within ten (10) days of the original purchase, to validate 1-Year Limited Warranty.

Submit the completed form via email by sending a scanned image or photograph to Sales@HealthyAir.com.

Note that, the Model Number and Serial Number are written on the sticker located at the bottom of the side panel of the unit.

Please contact us at (800) 259-2535 or visit www.HealthyAir.com for Customer Service and Orders.

Name:	
Business Name:	
Street Address:	
City, State, Zip:	
Phone Number:	
Email Address:	
Date of Purchase:	
Purchased From:	
Model Number:	
Serial Number:	