



HealthyAir® Source Capture System®

Air Purification & Local Exhaust Ventilation System

Models: HA-SCP-G4/G5/G6



Healthy Air Inc.

The Source For Source Capture®

800-259-2535

www.HealthyAir.com

HealthyAir® Source Capture System®

Models: HA-SCP-G4/G5/G6

Table of Contents

HealthyAir® HA-IFM-1111 Filter	1
Important Safety Instructions	2
Technical Characteristics	3
Packaging Reference	4
Packing Notice	5
Component Reference	6
Assembly Instructions	7-12
Operation Guidelines	13-14
Filter Replacement	15-17
Maintenance	18
Basic Service and Troubleshooting	19-23
Electrical Wiring Schematic	24
1-Year Limited Warranty Product	25
Registration Form	26

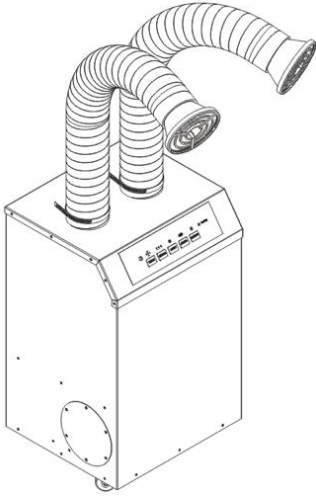
Healthy Air Inc.

The Source For Source Capture®

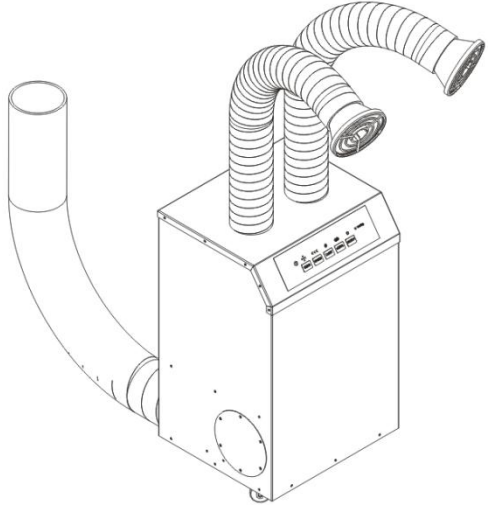
800-259-2535

www.HealthyAir.com

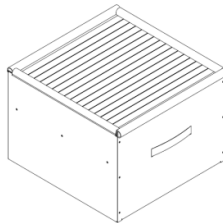
HealthyAir® Source Capture System®
Models: HA-SCP-G4/G5/G6



**Recirculating Ventilation
(Air Purification System)**



**Outside Ventilation
(Local Exhaust System)**



Integrated Filter Module: HA-IFM-1111

The Source For Source Capture®

800-259-2535

HealthyAir Inc.

www.HealthyAir.com



WARNING

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 filter or unsatisfactory performance. Follow a regular service and maintenance schedule for efficient operation.

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

- Do not use the air purifier 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 the machine or during replacement of filters
- When moving the air purifier

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 Characteristics

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.

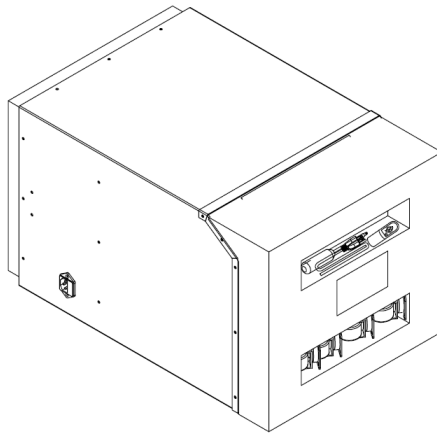
Model Numbers	HA-SCP-G4/G5/G6 (Note letters following Generation "GX" specify color & options)
Rated Voltage	120V/60HZ
Power/Amperage	280W/2.75A
Weight	40 lbs.
Base Dimensions	14x12x24 in.
Flex Hose Length (Standard)	4'L (Note custom length available)

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

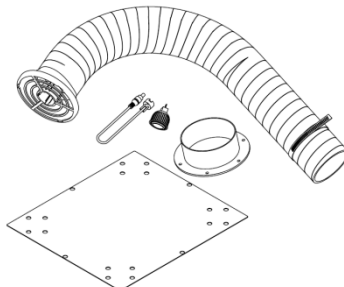
III. Packaging Reference

The Source Capture[®] Air Purification System is shipped in two (2) cartons, as follows:

Carton 1: (1) Source Capture[®] Air Purification Unit w/ (1) Integrated Filter Module, (4) Wheel Casters, (1) Acoustic Mat, (1) Remote Control, (1) Power Cord, (1) Screwdriver, (1) Manual



Carton 2: (1/2) Flex Hose + Hood, (1/2) Hose Clamp, (1/2) Grill + LED Cable + LED Bulb (Optional), (1) Outside Vent Adapter Kit – Outlet Flange + Base Blank-Off Plate (Optional)



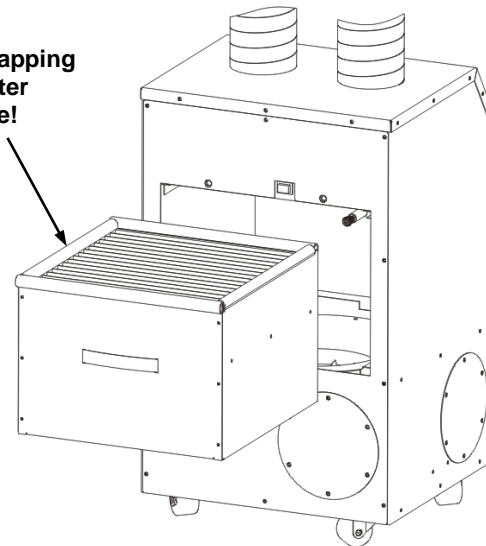
IV. Packaging Notice



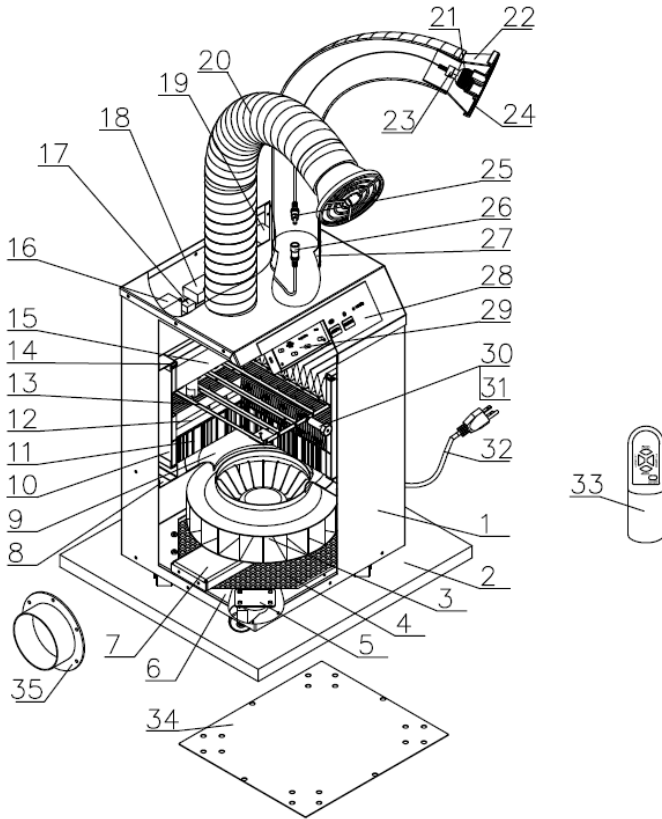
Before operating the machine, do the following:

- 1. Open the Access Door (Refer to Section 8.2)**
- 2. Remove the Integrated Filter Module (HA-IFM-1111)**
- 3. Remove the plastic wrapping from the filter!**
- 4. Re-install the Integrated Filter Module**
- 5. Replace and secure the Access Door**

**Remove plastic wrapping
from Integrated Filter
Module prior to use!**



V. Component Reference



- | | | |
|------------------------------|------------------------------|-------------------------------------|
| 1. Outer Frame | 13. eGrid | 24. LED Grill (Optional) |
| 2. Acoustic Mat | 14. Silicon Seal | 25. LED Cable Plug (Optional) |
| 3. Blower/Motor | 15. Pre-Filter | 26. LED Cable Socket |
| 4. Metal Screen | 16. HV PCB | 27. Inlet Tube |
| 5. Caster Wheels | 17. Switch | 28. Control Panel Display |
| 6. Base Plate | 18. Capacitor | 29. Control Panel |
| 7. Motor Mount Plate | 19. PCB | 30. Plastic Screw |
| 8. Baffle Plate | 20. Flex Hose | 31. HV Contact Spring |
| 9. Air Inlet Guide | 21. LED | 32. Power Cord |
| 10. Integrated Filter Module | 22. Hood | 33. Remote Control |
| 11. Activated Carbon Filter | 23. G4 Bulb Mount (Optional) | 34. Base Blank-Off Plate (Optional) |
| 12. eHEPA® Filter | | 35. Outlet Flange (Optional) |

VI. Assembly Instructions

6.1 Install Caster Wheels

The following procedure is for Recirculating Ventilation use of the unit, whereby purified air is vented through the Base Plate and reintroduced into the facility.

For Outside Ventilation application, in which purified air is vented out of the facility, skip Section 6.1 and refer to installation instructions in Section 6.4.

- 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 that are provided in Carton 1.
- 6.1.3 Unscrew and remove the screws that are pre-mounted onto 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 Caster Wheel Mount with the holes on the Base Plate and use four (4) screws to securely mount each Caster Wheel to the Base Plate one by one.

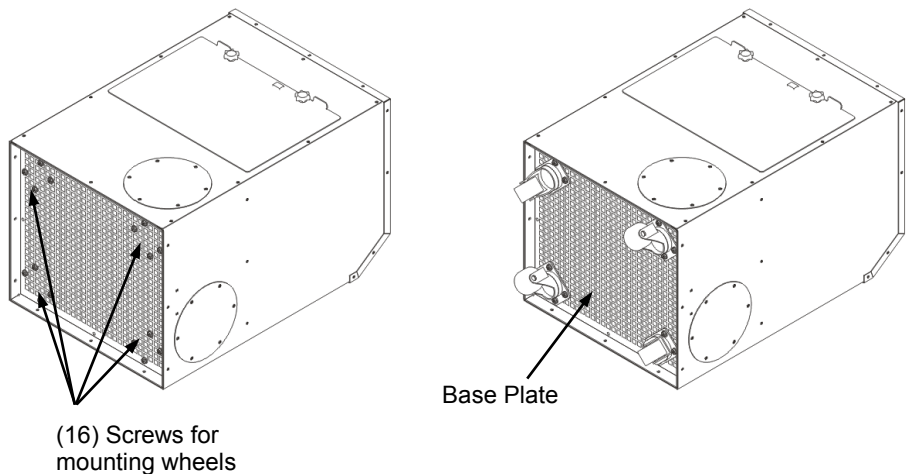


Fig. (1) – Caster Wheel Installation

VI. Assembly Instructions

6.2 Install LED Lighting (Optional)

Note that, the LED Lighting system is an optional feature. To add this feature, visit www.HealthyAir.com and select *LED Lighting* from the *Spare Parts* tab in the menu.

If LED Lighting was not purchased, skip section and proceed to Section 6.3.

- 6.2.1 Mount the LED Light Bulb on the Grill, by inserting the lip of the bulb into the 4-piece cylinder located in the center of the Grill.
- 6.2.2 Connect the LED Cable to the LED Light Bulb, by sliding the two (2) prongs of the bulb into the G4 Bulb Mount.
- 6.2.3 Pass the 52" LED Cable through the Hood and entire length of the Flex Hose, such that the LED Cable Plug passes through the bottom of the Flex Hose.
- 6.2.4 Connect the Grill to the Hood by snapping the Grill onto the rim of the Hood, as shown in Fig. 2.
- 6.2.5 Connect the LED Cable Plug to the LED Cable Socket of the LED Cable that is fixed to the edge of the Inlet Port.

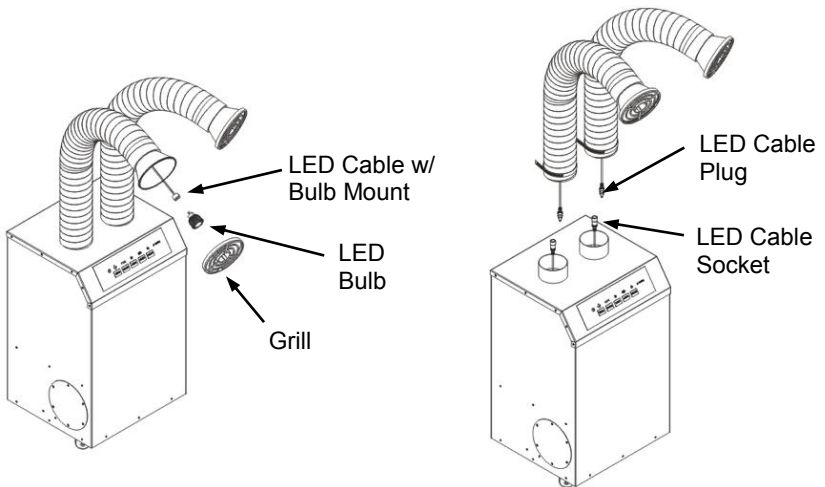


Fig. (2) – LED Lighting Installation

VI. Assembly Instructions

6.3 Install Flex Hose

The Flex Hose is constructed of interlocking bands that enable its length and shape to be adjusted. Note that, the Flex Hose will unravel if it is lengthened or bent past its tolerance point. The diameter of the Flex Hose can be also adjusted by 10% by rotating sections of the hose counterclockwise.

6.3.1 Install the Flex Hose on the unit by sliding the end of the Flex Hose over the Inlet Port, as shown in Fig. 3.

If the diameter of the Flex Hose needs to be increased, rotate the end of the hose counterclockwise.

6.3.2 Hold the end of the Flex Hose and rotate it clockwise, to reduce its diameter, to fit it to the diameter of the Inlet Port.

6.3.3 Position the Hose Clamp at the base of the Flex Hose and screw the hex nut to tighten the Hose Clamp and secure the Flex Hose on the Inlet Port. Ensure that the connection is tight to optimize performance.

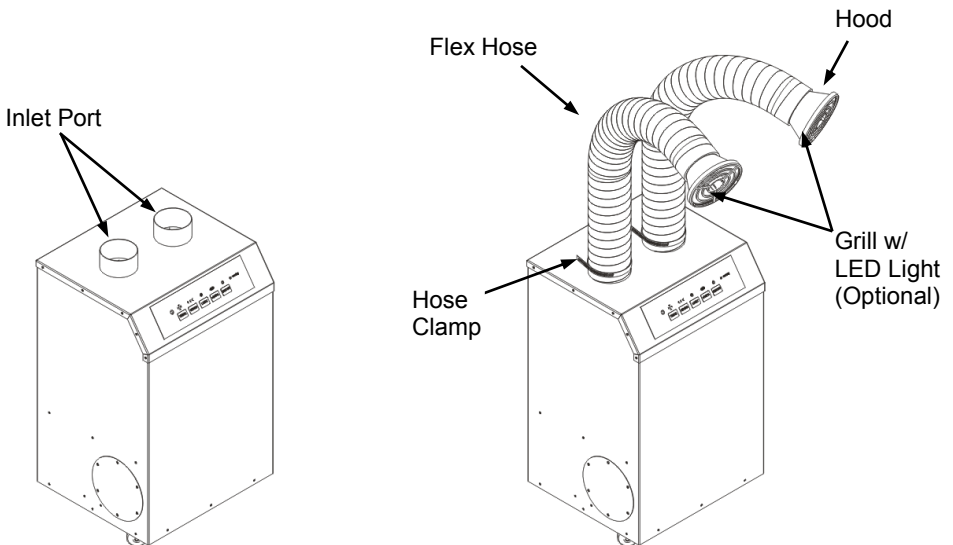


Fig. (3) – Flex Hose Installation

VI. Assembly Instructions

6.4 Configure for Outside Ventilation (Optional)

Note that, the Outside Ventilation configuration is an optional feature that enables the Recirculating Ventilation unit to be converted for Local Exhaust Ventilation application, which enables the exhaust of filtered air out of the facility with connection to exhaust ducting.

The unit comes with Outside Ventilation components consisting of one (1) Outlet Flange and one (1) Base Blank-Off Plate, as shown in Fig. 4.

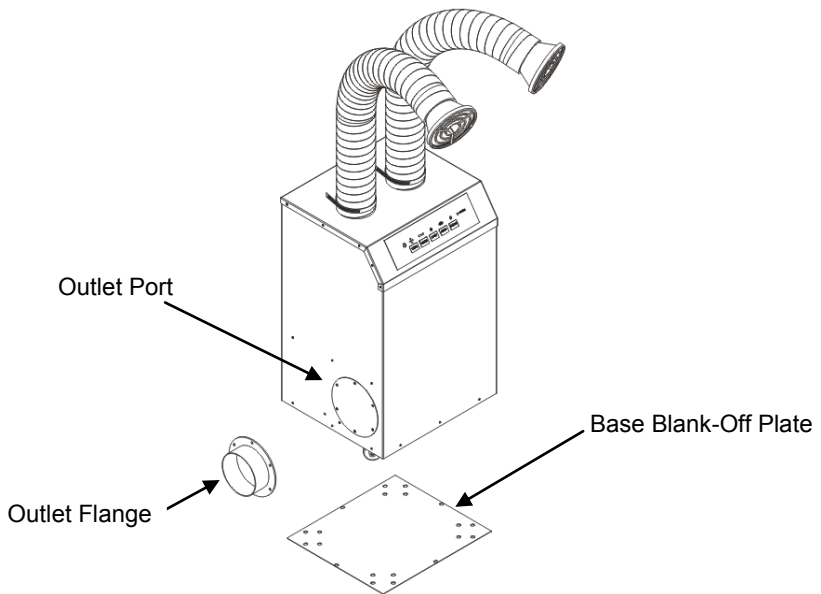


Fig. (4) –Outside Vent Adapter Kit

VI. Assembly Instructions

6.4 Configure for Outside Ventilation (Optional)

The HealthyAir® HA-SCP-G4/G5/G6 units have two Outside Vent Outlet Ports, one located on the back panel and one located on the side panel, as shown in Fig. 5. Either Outlet Port may be used for outside venting, depending on which configuration is more suitable for connection to exhaust ducting.

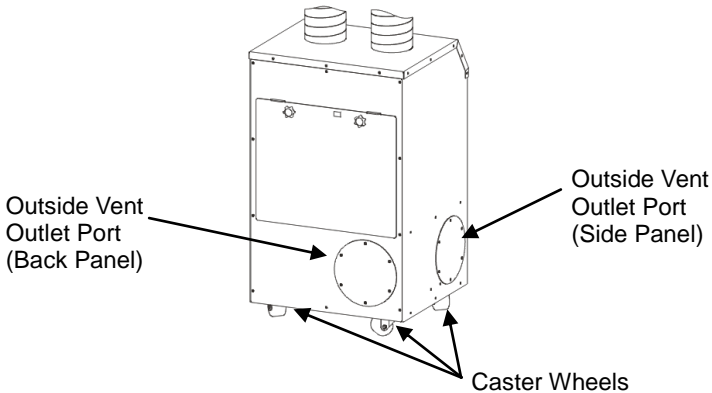


Fig. (5) – Outside Vent Outlet Ports

- 6.4.1 If the Caster Wheels were initially installed on the unit for Recirculating Ventilation (as described in Section 6.1), remove each Caster Wheel from the Base Plate, and set aside the wheels and the mounting screws.
- 6.4.2 Turn the unit upside down and position the Base Blank-Off Plate over the Base Plate.
- 6.4.3 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.
- 6.4.4 Re-install each of the four (4) Caster Wheels and ensure that they are tightly screwed in to secure the Base Blank-Off Plate.

VI. Assembly Instructions

6.4 Configure for Outside Ventilation (Optional)

- 6.4.5 Install the Outlet Flange on one of the Outside Vent Outlet Ports (either side panel or back panel), based on a determination of the ideal setup configuration, as shown in Fig. 6.
- 6.4.6 Install the Outlet Port Cover Plate on the Outside Vent Outlet Port that is not being used. Ensure that the Outlet Port Cover Plate is secure, such that the seal between the plate and adapter is airtight.
- 6.4.7 Connect a standard 4" or 5" diameter Exhaust Duct (not supplied) to the Outlet Flange and use a standard hose clamp to secure the connection.
- 6.4.8 Run the Exhaust Duct out of the facility per applicable IMC codes.

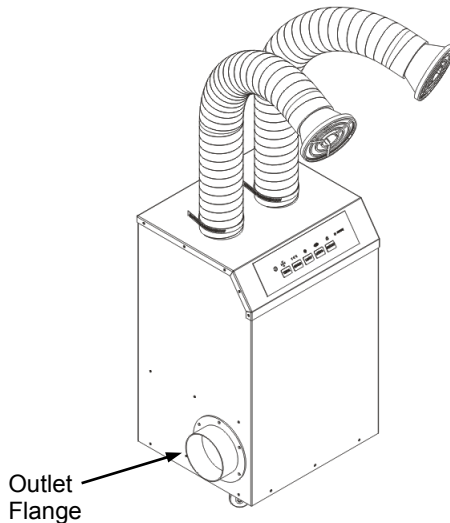


Fig. (6) – Outlet Flange Installation


VII. Operation Guidelines

7.1 Source Capture System Acoustic Mat and Positioning

Place the HealthyAir® Source Capture Air Purification System in the desired location and place it on the Acoustic Mat to dampen the sound. Once the unit is in place, adjust the Flex Hose to position the Hood approximately 6" from the source of the particulate and fumes.

7.2 Source Capture System Activation

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 [] 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. 7, 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 Source Capture System Controls

Each of the respective control elements shown on the Control Panel Display in Fig. 7 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** 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. (7) - Control Panel Display

VIII. Filter Replacement

8.1 Replacement Filter

The HealthyAir® Source Capture Air Purification System s utilizes the HealthyAir® Integrated Filter Module model HA-IFM-1111.

Note that, only manufacturer supplied HealthyAir® Replacement Filters are compatible with HealthyAir® Source Capture Systems. 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 the 400-hour default cycle expires. Contact a representative to determine if you need to replace the filter more frequently.

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. 8.

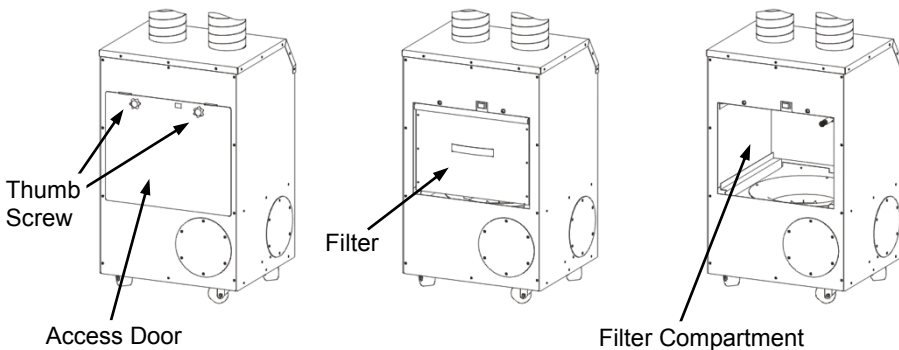


Fig. (8) – Access Door Removal

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 (HA-IFM-1111) into the Filter Compartment, as shown in Fig. 9. 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.

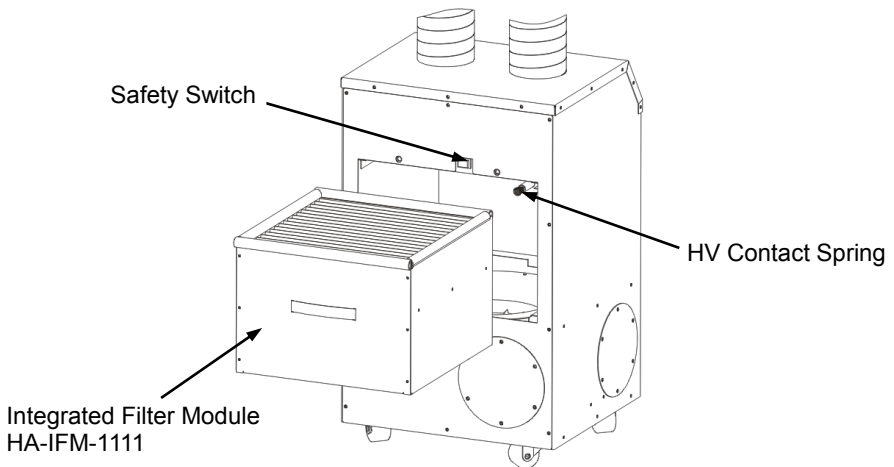



Fig. (9) – Replacement Filter Installation

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 and hold down the Power Button [] on the Control Panel (not the Remote Control) for five (5) seconds.
- 8.3.3 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.

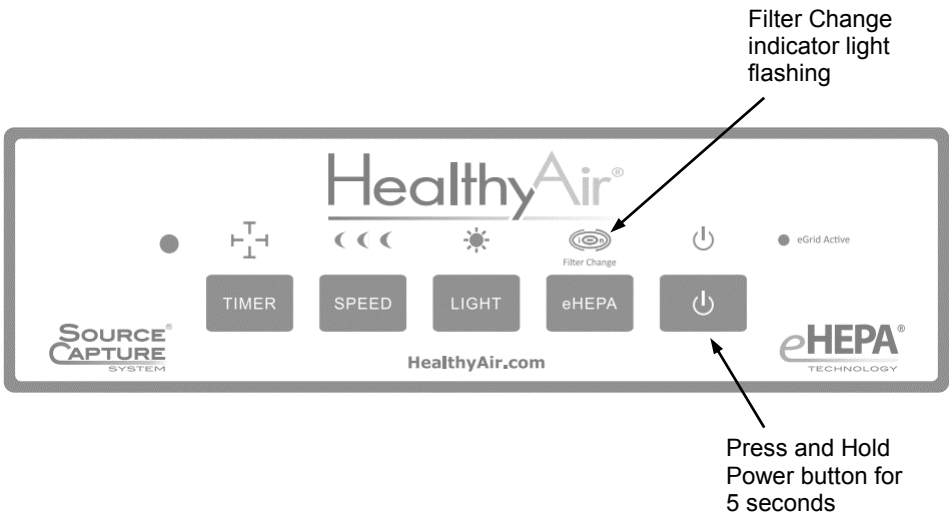


Fig. (10) - Filter Change Indicator Light Reset

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

To extend the effective life of the Integrated Filter Module, remove the filter from the unit and use a standard vacuum to remove collected particulate from the Pre-Filter section.

9.2 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:

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

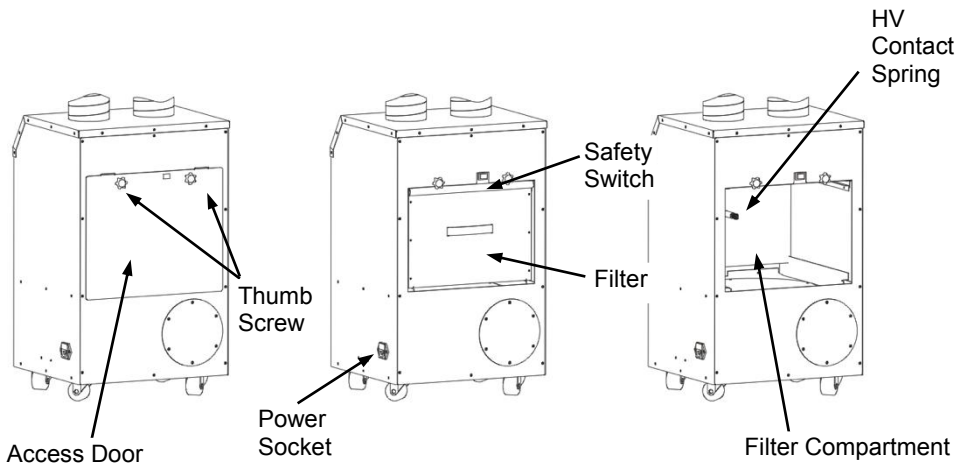


Fig. (11) – Cleaning Filter Compartment

X. Basic Service and Troubleshooting

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 Air Purification 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
Blown Fuse	Replace the Fuse
Safety Switch not engaged	Properly close the Access Door
Safety Switch malfunction	Replace the Safety Switch
HV Board malfunction	Replace the HV Board
PCB Board delay function	Unplug and re-plug Power Cord

10.2 Air Purification 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
PCB Board malfunction	Reconnect/Replace PCB Board

X. Basic Service and Troubleshooting

10.3 Air Purification 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
Fan/Motor malfunction	Replace the Fan/Motor
PCB Board malfunction	Replace the PCB Board

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

X. Basic Service and Troubleshooting

10.5 Flex Hose Fails to Remain in Position

If the Flex 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
Loose Flex Hose connection	Tighten Hose Clamp

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

X. Basic Service and Troubleshooting

10.7 LED Light Fails to Turn On

If the LED Light fails to turn on, the issue may be the result of one of the following causes and may require replacement parts.

Possible Cause	Solution
LED Cable is not connected	Reconnect LED Cable
LED Mount is faulty	Replace LED Cable
LED Bulb is burnt out	Replace LED Bulb

10.8 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

X. Basic Service and Troubleshooting

10.11 Reduced Airflow/Reduced Dust 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	Clean or Replace Integrated Filter
Flex Hose connection is loose	Secure Flex Hose to Inlet Port

10.12 Filter Change Indicator Light is Flashing

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

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

XI. Electrical Wiring Schematic

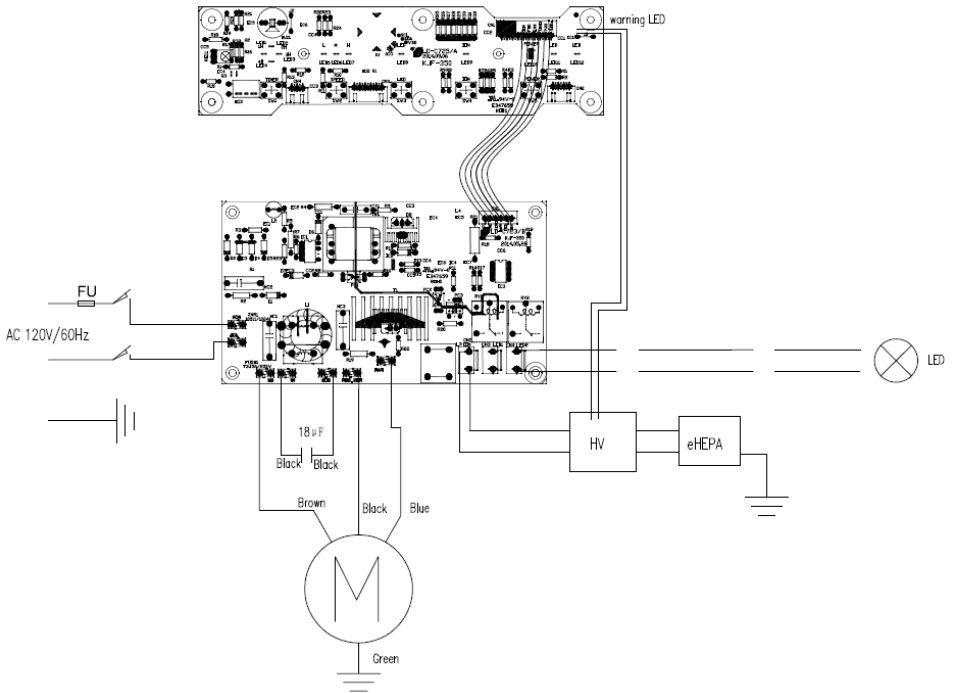


Fig. (12) – Electrical Wiring Schematic

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 15 days of purchase by email to Orders@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 15 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 Orders@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:	