



HOMECLEANSE
SHIELD

Product Specification Sheet



Table of Contents

Exploded View and Major Features	03
Features	03
HomeCleanse Shield 2.5/5 Exploded View	03
HomeCleanse Shield 7.5 Exploded View	04
Rear View of Filter Access Door	04
System Overview	05
Safety Precautions	05
Important Descriptions	06
Unit Description	06
Component Description	06
Receiving and Unpacking	07
Receiving	07
Storage	07
Unpacking and Inspection	07
Installation Procedures	08
Location Determination	08
Power Requirement	09
HomeCleanse Shield System Applications	09
HomeCleanse Shield 2.5/5 Furnace Installation	10
HomeCleanse Shield 7.5 Furnace Installation	11
System Operation	12
To Connect Unit to Power	12
To Turn on the Unit	12
To Turn off the Unit	12
Maintenance	12
HomeCleanse Shield 2.5/5 Filter Replacement	12
HomeCleanse Shield 7.5 Filter Replacement	13
Cleaning the Unit	14
Parts List	15
Testing Steps	15
DFS Troubleshooting Guide	16
Limited Warranty	18
Appendix A - Installation Schematics	19
Appendix A1 - 120V with EAC	20
Appendix A2 - 120V without EAC	21
Appendix A3 - 208-480V with EAC	22
Appendix A4 - 208-480V with EAC	23

Major Features And Exploded Views

Features

High Air Flow Capacity

Delivers high CFM with low energy consumption

Whole House Design

Designed to deliver clean air for the whole house

Versatile Symmetrical Design

Can be installed on either side of furnace

Patented V-Bank Filter

Increases surface area and provides higher loading capacity

Up to three times longer filter span

Compared to conventional HEPA filtration -
Lower Maintenance costs

Ease of Maintenance

Quick access to filter in a few steps

Smart Air Flow Monitor

Auto flow detection to turn on DFS power

HomeCleanse Shield 2.5 / 5 Exploded View

- High Energy Grid
- High Energy Wire
- Main Filter
- Filter Access Door
- Filter Lock
- Main Housing
- DFS Light
- Power Switch
- High Energy Contact Pad

Designed to Last

Durable powder coated galvanized steel construction

Innovative Design

Interchangeable, modular flanges to accommodate attachments to other systems makes and quick plug in to power to the system

100% Sealed System -

High memory sponge neoprene gaskets at top plate and bottom of filter seal and gaskets on main filter eliminates air bypass



Exploded View 1:
2.5 & 5 whole unit

Major Features And Exploded Views

HomeCleanse Shield 7.5 EXPLODED VIEW

- High Energy Grid
- High Energy Wire
- Main Filter
- Filter Access Door
- Snap Latch
- Main Housing
- DFS Light
- Power Switch
- High Energy Contact Pad
- Extension filter (Smaller filter)
- Extension filter (Smaller filter), ground Bracket
- Extension filter (Smaller filter) contact bracket with spring



HomeCleanse Shield 2.5, 5 & 7.5 REAR VIEW OF FILTER ACCESS DOOR

- High Energy Contact Spring
- Air Flow Monitor **
- Fuse & Fuse Holder **
- Mounting Screw
- Slide Switch ***

Exploded View 2:
7.5 Whole Unit



Exploded View 3:
Rear View of Filter Access Door

DFS Light on automatically as it is air handler provides air flow.

** Refer to Page 8, Installation, below the Installation, #4 & #5, for detailed instructions

*** Fuse and fuse holder locates inside the filter access door compartment and is only accessible by unscrewing part 16 - mounting screw, to open up the metal board.

*** Refer to Appendix A for slides which match option.

System Overview

Safety Precaution

Personnel who will operate this system onboard ships, within ports or elsewhere, must be given all manuals and other instructional regarding safe operation of the filtration systems.

This manual contains general recommendations, but specific requirements may apply to individual installations. Such requirements are outlined in federal, state, and local codes.

Compliance with applicable codes and strict adherence to these installation instructions are the sole responsibility of the user.



This symbol will be used throughout this manual to indicate safety checkpoints. Failure to heed these warnings and notices may result in damage to the unit and/or injury or death to personnel.

Particle Efficiency (2.5/5/7.5)* (µm)	Initial Particle Removal Efficiency (%)
0.30 - 0.40	98.0
0.40 - 0.55	98.7
0.55 - 0.70	99.0

* This data is from a third party lab test (ASRAE 52.2)

Air Flow (CFM)	Differential Pressure		
	Model 7.5	Model 5	Model 2.5
3000	0.23	N/A	N/A
2800	0.22	N/A	N/A
2600	0.20	N/A	N/A
2400	0.19	N/A	N/A
2200	0.19	N/A	N/A
2000	0.17	0.27	N/A
1700	0.15	0.20	N/A
1600	0.12	0.19	N/A
1400	0.11	0.16	N/A
1200	0.09	0.13	N/A
1000	0.07	0.11	0.27
800	0.05	0.09	0.19
600*	0.03	0.07	0.13
400	N/A	0.04	0.09

* HomeCleanse Shield 7.5 rated 600CFM and above.

System Overview

Unit Description

Homecleanse Shield V 2.5/5/7.5 Whole House DFS Air Cleaning System is a high-performance system that utilizes patented award winning Disinfecting Filtration System technology. DFS technology electrically enhances a low pressure drop filter to high efficiency while retaining the low pressure drop and longer life advantages of the base filter material. This technology has also been shown to inhibit bacteria growth on the filter.

The Electrical Components are located inside the filter access door.

The HomeCleanse Shield System is available in the following model:

Model	Power Requirement			Operating FLA	Operating Power Usage
	V	Hz	Phase	AMPS	WATTS
HomeCleanse Shield V 2.5/5/7.5	110	50/60	1	0.08A - 110V	8W - 110V

Note: The HomeCleanse Shield system can be installed to a 208V-480V AHU/Furnace. Refer to Appendix A - "208V-480V input with EAC" for details.

Model	Height	Width	Depth	Weight	Shipping Weight
HomeCleanse Shield V2.5	24In 670mm	14In 356mm	15In 381mm	36lbs 17kg	42lbs 20kg
HomeCleanse Shield V5	24In 670mm	14In 356mm	27In 686mm	48lbs 22kg	58lbs 27kg
HomeCleanse Shield V7.5	24In 670mm	14In 356mm	39In 990mm	65lbs 30kg	77lbs 35kg

 The electrical power requirements for each individual unit are on the serial number label on the back side of the filter access door. These requirements supersede all other inferences to power requirements.

Component Description

Homecleanse Shield System integrates components symmetrically to work with any furnace set-ups. All electronic components are located inside the filter access door. Change of filter is a breeze. It works in conjunction with the furnace to optimize the performance.

Components	Efficiency	Replacement/ Maintenance frequency*
DFS V-Bank Main Filter	DFS V-Bank Main Filter** 98% Single Pass efficiency at 0.3 micron per ASHREA 52.2 testing	Every 3 years at 50% duty cycle
High Energy Grid**		

*Replacement period depends on the level of pollution in the environment

** Replace Main Filter more often if pollution level is high

***Clean the High Energy Grid once a year or as needed

Components	Description
Filter Access Door	Where the control panel, air flow monitor and electrical components located

 If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid hazard.

Receiving And Unpacking

Receiving

Equipment is prepared for shipment in accordance with the Uniform Freight Classification. It is thoroughly inspected at the factory and barring damage in transit, should be received in good condition.

When a freight carrier signs the HomeCleanse Shield bill of lading, the carrier accepts the responsibility for any subsequent shortages or damage evident or concealed. Inspection by the carrier of damage evident or concealed must be requested. Evident shortage or damage should be noted on the carrier's delivery document before signature of acceptance. Claims must be made against the carrier by the purchaser.

Filtration systems are shipped as fully assembled filter units with field installation necessary. These filter units must be handled and moved using proper rigging techniques, avoiding concentrated stresses that will distort the parts.

Storage

If the unit is not to be installed promptly, store it in a dry place protected against moisture, dust, physical damage, weather, corrosion and excessive heat.

Unpacking And Inspection

The unboxing procedure may require more than one person to handle.

Unit is packaged in a heavy-duty carton with foam pieces inside for protection. Place unit on a flat, clean and dry surface. Carefully unbox the carton, remove the foam pieces on top and slowly pull out the unit covered with a plastic protection bag. Remove the plastic bag.

Inspect physical damage on the unit surface as well as the power cord.

Contact **HomeCleanse** Customer Service Department if damage is found.

Phone No: **888-668-6653 · 732-792-9612**

Email: **info@homecleanse.com**

Installation Procedures

Location Determination

The filtration system location should be carefully planned with consideration given to ease of access for filter replacement or repair of electronics located inside the filter access door.

Enough room (min 25 inches or 635mm) must be available next to the filter access door for maintenance and filter replacement.

The inlet duct also must have at least 8" of straight duct before any bends are made.

There should be no use or spillage of powdered products, aerosols, sprays, or mists near the inlet connection to the filter.

Do not install the filtration system in an exterior environment, unless it is specifically made for exterior installations. Standard units are for indoor use only.

Before the Installation:

For your safety, please read the rules and instructions in this user manual carefully. Failure to follow them could result in serious damage to the air cleaner or cause hazardous conditions.

Check the information shown on the nameplate to make sure the rating is appropriate for your local application.

Clean the furnace blower and ductwork, as the HomeCleanse Shield System cannot remove existing mud, dust, etc. from the furnace blower and ductwork.

Check the airflow direction. When the HomeCleanse Shield System is installed on the return side of the furnace, the auto flow monitor should be connected to the return barbed connector at the upper-right corner (factory default setting). (Fig. A – Return Connection)

When the HomeCleanse Shield System is installed on the supply side of the furnace, the auto flow monitor should be connected to the supply barbed connector at the upper-left corner. (Fig. B – Supply Connection)

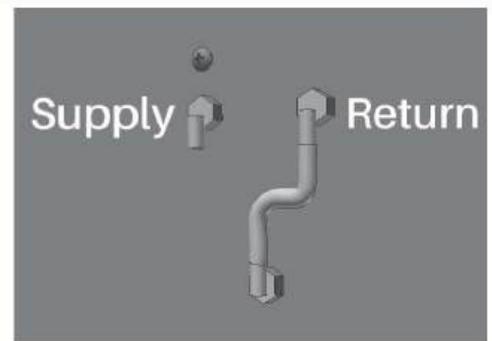


Fig. A Return Connection



Fig. B Supply Connection

Installation Procedures

Power Requirement

Refer to information on Page 7, Unit Description for details.

Electrical disconnects may also be required - check local electrical codes

HomeCleanse Shield Application

Select an installation position according to your application. Place the unit between the main inlet duct and furnace, in a location which is accessible for checking and replacing the filter. The unit is capable to be installed either left side or right side of the furnace credit to its symmetrical feature and symmetrical housing feature and symmetrical housing complex.

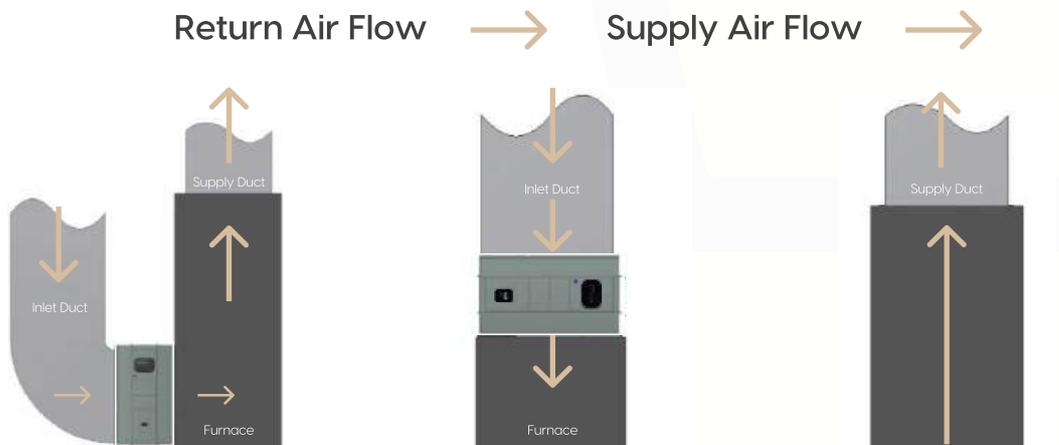


Fig. 1-1 Up Flow Furnace - Vertical Cleaner

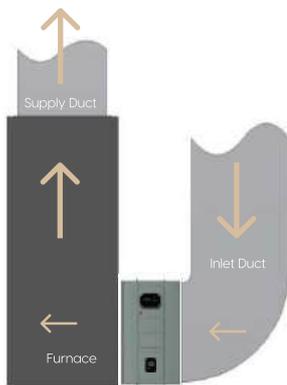


Fig. 1-2 Up Flow Furnace - Vertical Cleaner (Inverted)

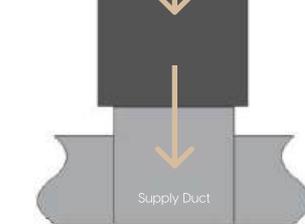


Fig. 1-3 Down Flow Furnace - Horizontal Cleaner

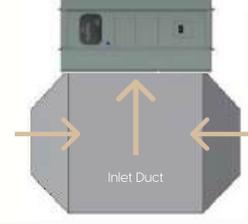


Fig. 1-4 Up Flow Furnace - Horizontal Cleaner

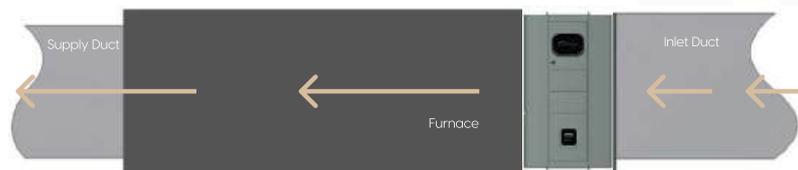


Fig. 1-5 Horizontal Furnace - Vertical Cleaner

The HomeCleanse Shield can also be installed on the supply side of the air handler, making sure the air flow direction through the air cleaner is correct. In this case, the auto flow monitor must be connected to the supply hardout connector as described on #5 under "Before the installation" (refer to Fig B - Supply Connection).

Installation Procedures

 All electrical connections must be done by a certified electrician, following the directions listed in this manual.

 Do not connect power to the unit until the High Energy Grid wires have been checked for proper connection.

 Check the serial number label for all the electrical requirements for this unit.

 Before installation of unit, please remove all dirty filters on return side of the AHU/Furnace.

HomeCleanse Shield 2.5/5 Installation

Determine the correct air flow direction. The inlet air is marked with an air flow label, the filter header and high-energy grid should be placed on the inlet side. (Fig. 2-1 & 2-2)

- If the furnace has a left-side opening, place the air cleaner unit (default filter direction) on the left side of the furnace
- If the furnace has a right-side opening, pull off the filter access door, flip the unit up-side-down, put the door back, and then place the unit on the right side of the furnace

Pull up the snap latch, pull out the filter access door, turn the quarter-turn counter-clockwise to unlock the filter and slide the main filter out (Fig. 2-3 & 2-4)

Locate the mounting holes from the unit and connect the unit to the furnace opening (Fig. 2-5). If the furnace and air cleaner openings are different, use a transition plenum (Fig. 2-6).

Mount return ductwork to the air cleaner system (Fig. 2-7)

Slide the main filter into the housing from the front

Turn the quarter-turn clockwise to lock the filter (Fig. 2-4)

Seat the filter access door on the bottom snap latch, pull up the top snap latch and push close the door towards the housing. (Fig. 2-8)

Inlet Air Flow
→



Fig. 2-1

Outlet Air Flow
→



Fig. 2-2



Fig. 2-3



Fig. 2-4

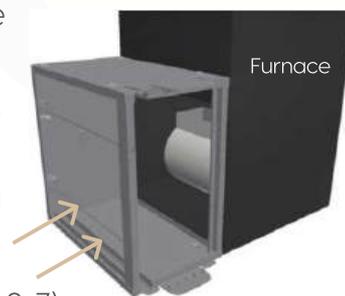


Fig. 2-5



Fig. 2-6

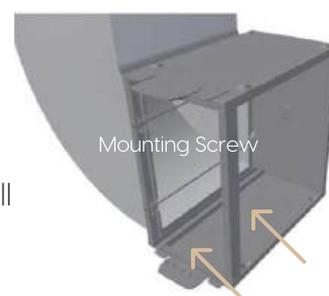


Fig. 2-7



Fig. 2-8

Installation Procedures

HomeCleanse Shield 7.5 Installation

Determine the correct air flow direction. The inlet air is marked with an air flow label, the filter header and high-energy grid should be placed on the inlet side (Fig. 2-9 & 2-10).

- If the furnace has a left-side opening, place the air cleaner unit (default filter direction) on the left side of the furnace
- If the furnace has a right-side opening, pull off the filter access door, flip the unit up-side-down, put the door back, and then place the unit on the right side of the furnace

Hold up the snap latch, pull out the filter access door, turn the quarter-turn counter-clockwise to unlock the filter and slide out both filters (the smaller filter comes out first) (Fig. 2-11 & 2-12)

Locate the mounting holes from the unit and connect the unit to the furnace opening (Fig. 2-13)

If the furnace and air cleaner openings are different, use a transition plenum (Fig. 2-14)

Slide both filters (Slide in the larger filter first) into the housing from the front (Fig. 2-12)

Turn the quarter-turn clockwise to lock the filter (Fig. 2-12)

Seat the Filter access door on the bottom snap latch, hold up the top snap latch and push close the door towards the housing. (Fig. 2-16)

Inlet Air Flow
→



Fig. 2-9

Outlet Air Flow
→



Fig. 2-10



Fig. 2-11



Fig. 2-12

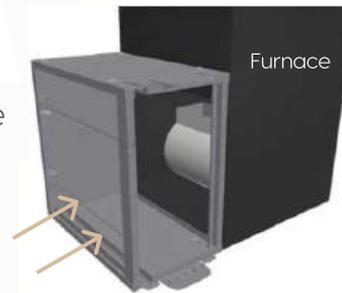


Fig. 2-13

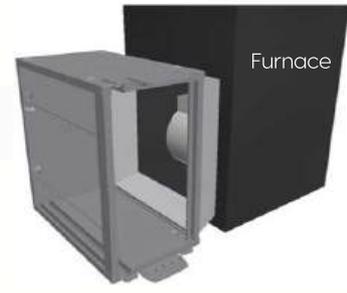


Fig. 2-14

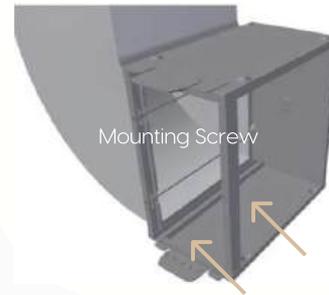


Fig. 2-15



Fig. 2-16

System Operation

To Connect Unit To Power

Thoroughly inspect the power cord comes with the unit. Contact HW customer service if it is damaged. If the power cord is in good working condition, plug it in an appropriate power outlet. The unit should be ready for operation once connected to power and furnace blower is on.

To Turn On The Unit

Turn on the power switch located on the bottom of the filter access door. When the blower of the furnace is on and the indicating light is illuminated blue, DFS is functioning properly.

To Turn Off The Unit

To turn off the DFS of the unit, simply turn off the power switch located on the bottom of the filter access door.



Maintenance



When replacing filters use only HomeCleanse Shield certified filters. HomeCleanse Shield filters are designed for high voltage ionization. Use of non-HomeCleanse Shield filters can be hazardous to personnel and equipment, including the warranty.



Always unplug the unit and turn off all the electrical switches and circuit breakers/disconnect before maintenance on the unit. Wait a minimum of 30 seconds before touching the unit. When replace filter(s), please wear safety glove or use other hand protection.

HomeCleanse Shield 2.5/5 Filter Replacement

Pull the latch up and pull the filter access door off (Fig. 3-1 & 3-2)



Fig. 3-1



Fig. 3-2

Turn the quarter turn counter-clockwise to unlock the filter (Fig. 3-3)



Fig. 3-3



Fig. 3-4

Slide out the filter (Fig. 3-4)

Place filter on a flat and dry surface with the filter header side up (Fig. 3-3)

Unlock all three trim lockers and lift the high energy grid up (Fig. 3-5 and Fig. 3-7)

The high energy grid is connected to the main filter through a red wire with a connector. Unsnap the connector to disconnect the wiring (Fig. 3-8)

Maintenance

Place high energy grid on a flat, clean and dry surface with high energy wires facing up (Fig. 3-9)

Connect the top/red wire from the high energy grid to the new filter by securely screwing in the connector (Fig. 3-8)

Carefully place high energy grid on filter. Make sure each wire sits in between filter media (Fig. 3-7)

Lock the high energy grid with all 3 trim lockers (Fig. 3-6)

Slide filter into housing until it reaches spring at the back. (Fig. 3-10)

Turn the quarter-turn clockwise to lock the filter (Fig. 3-3)

Pull the latch up and push securely reinstall the filter access door

HomeCleanse Shield 7.5 Filter Replacement

Hold the latch up and pull out the filter access door off (Fig. 3-11 & 3-12)

Turn the quarter turn counter-clockwise to unlock the filter (Fig. 3-13)

Slide out the smaller filter (Fig. 3-14)

Slide out the larger filter (Fig. 3-15)

Place both filters on a flat and dry surface, with the filter header side up (Fig. 3-16, only shows the smaller filter)

Unlock all three trim lockers and lift the high energy grid up (Fig. 3-17 and Fig. 3-18)

The smaller filter has a connector (2 female connectors and 2 male connectors). Unscrew both of the connectors to disconnect the wiring (Fig. 3-18)

Place high energy grid on a flat, clean and dry surface with high energy wires facing up (Fig. 3-19)

Connect both the connectors by testing the high energy grid to the new filter by securely screwing in the connector (Fig. 3-18)



Fig. 3-5



Fig. 3-6



Fig. 3-7



Fig. 3-8



Fig. 3-9



Fig. 3-10



Fig. 3-11



Fig. 3-12



Fig. 3-13



Fig. 3-14



Fig. 3-15



Fig. 3-16

Carefully place high energy grid back on filter. Make sure each wire sits in between filter media (Fig. 3-17). Please be advised that the round conductor is high energy grid face the front. (Fig. 3-21)

Lock the high energy grid with all 3 trim lockers (Fig. 3-16)

Please refer to user manual Fig. 3-1 to Fig. 3-10 for larger filter replacement instructions

Slide both filters (larger filter first) into housing until larger filter reaches spring at the back and then smaller filter stack spring, push against the larger filter. (Fig. 3-20)

Turn the quarter-turn clockwise to lock the filter (Fig. 3-13)

Pull the latch up and push securely reinstall the filter access door (Fig. 3-11)

Cleaning The Unit

Depending on contamination level, this procedure should be conducted about once a year or during each filter change or if an electrical problem occurs.

Remove the V-Bank Main Filter and High Energy Grid Assembly
Refer to page 10 and 11 for proper instructions.



Do not use alcohol or cleaners that may damage acrylics, plastics or aluminum.

To clean the High Energy Wires, use a lint-free cloth, either dry or moistened with distilled or deionized water, clean along the length of each wire, extended spring, and acrylic standoff.

Clean the inner surfaces of the High Energy Grid material using a lint-free cloth moistened with distilled or deionized water.

Clean the High Energy Grid surface by vacuuming between the wires using a small vacuum attachment or by using a lint-free cloth, either dry or moistened with distilled or deionized water. Take care to avoid bending large fibers because of the wires' confinement, or other components of the High Energy Grid.

Make sure the unit is dry contamination free and the power to the bottom of the unit is removed.

In extreme cases, it may be necessary to remove the wires from the springs attached at each end to the power distribution bars, thus allowing complete access to the inside of the High Energy Grid assembly for cleaning as previously described. It is recommended that the manufacturer be contacted for detailed instructions should this step appear necessary. Reinstall the High Energy Grid V-Bank Main Filter process door as previously instructed.



Fig. 3-17

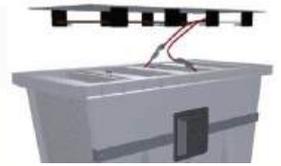


Fig. 3-18

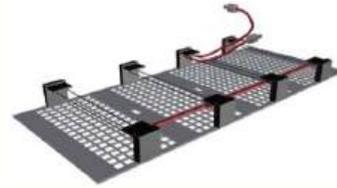


Fig. 3-19



Fig. 3-20

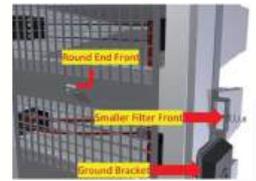


Fig. 3-21

Maintenance

Parts List

HomeCleanse recommends that the following spare parts be available on site at all times.

Order all parts by contacting:

Phone No: **888-668-6653**
732-792-9612

Email: **info@homecleanse.com**

HomeCleanse Shield 2.5 Part	Description	Part Number
Main Filter	HomeCleanse Shield main filter assembly	25-A-70000-N-0000
Frame	HomeCleanse Shield 2.5 metal frame assembly	SSV2.5_Frame
Filter Access Door	Filter access door	SSV5_Door
Main Filter Grid	Main filter high energy grid	SSV2.5_HEGrid

HomeCleanse Shield 5 Part	Description	Part Number
Main Filter	HomeCleanse Shield main filter assembly	5-A-70000-N-0000
Frame	HomeCleanse Shield 5 metal frame assembly	SSV5_Frame
Filter Access Door	Filter access door	SSV5_Door
Main Filter Grid	Main filter high energy grid	SSV5_HEGrid

HomeCleanse Shield 7.5 Part	Description	Part Number
Main Filter	HomeCleanse Shield main filter assembly	SSV5_MainFilter
Frame	HomeCleanse Shield 7.5 metal frame assembly	SSV5_Frame
Filter Access Door	Filter access door	SSV5_Door
Main Filter Grid	Main filter high energy grid	SSV5_HEGrid
Smaller Filter	HomeCleanse Shield 7.5 smaller filter assembly	SSV5_MainFilterEX
Smaller Filter Grid	HomeCleanse Shield 7.5 smaller filter high energy grid	SSV5_HEGridEXT

Testing Steps

Testing Step 1

Make sure the HomeCleanse Shield System is plugged in and the power switch on the filter access door is in the "On" position.

Testing Step 2

The HomeCleanse Shield System only functions when the furnace blower is providing airflow. Adjust the thermostat so the furnace receives a run command or place thermostat in ventilation mode (if equipped).

Testing Step 3

The Blue LED on the filter access door should be lit indicating proper function of the DFS system.

Maintenance

DFS Troubleshooting Guide

Refer to page 4 & 5 to view the exploded view for location of the components.

Symptom #1: Blue LED turns on initially but then turns off.

Probable Cause #1: Excessive amount of debris or possible metal or conductive debris in main filter area, High Energy Grid and High Energy Wires

Solution:

Step 1: Disconnect the electrical power to the furnace.

Step 2: Unplug the HomeCleanse Shield System.

Step 3: Remove the filter access door by lifting up on the top door latch and gently pulling the top of the door towards you.

Step 4: Locate the filter locks and using a Flat Head screwdriver to turn the filter locks ½ turn Counter-Clockwise to unlatch the filter.

Step 5: Remove the main filter from the main housing and gently lay the filter down with the high energy grid facing it this is the case, proceed to the high energy grid removal instructions and gently, carefully remove any debris from the high energy grid area.

Step 6: Looking through the high energy grid and observe if there is any large debris lodged in the filter and high energy grid area. If this is the case, proceed to the high energy grid removal instructions and gently, carefully remove any debris from the high energy grid area.

Step 7: Reinstall the high energy grid, Main Filter and the Filter Access Door. Turn the filter locks clockwise to lock the filter. Plug in the HomeCleanse Shield System and return electrical power to the furnace. Repeat testing steps 1 - 3.

If the Blue LED stays lit, the problem has been solved.

Probable Cause #2: Filter Access Door is not completely shut.

Solution:

Step 1: Turn off the electrical power to the furnace.

Step 2: Unplug the HomeCleanse Shield System.

Step 3: Remove the Filter Access Door by lifting up on the top door latch and gently pulling the top of the door towards you after pulling the top of the door far enough to clear the top door latch, gently pull door up fully releasing it to the floor from the unit.

Step 4: Re-attach the Filter Access Door to the HomeCleanse Shield System. The bottom of the door has an alignment bracket to ensure the door is connected. Start by sliding the alignment bracket into the bottom of the bottom of the unit then firmly push the top of the door in until the top door latch snaps into place. Repeat testing steps 1 - 3.

If the Blue LED lights and stays lit, the problem has been solved.

Maintenance

Symptom #2: Blue LED Never turns on.

Probable Cause #1: Filter Access Door not completely shut.

Solution:

Same as Symptom #1, Probable Cause #2.



This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction. Cleaning and maintenance shall not be made by children without supervision.



Children should be supervised to ensure that they do not play with the appliance

Probable Cause #2: Blown Fuse.

Solution:

Step 1: Turn off the electrical power to the furnace.

Step 2: Unplug the HomeCleanse Shield System.

Step 3: Remove the Filter Access Door by lifting up on the top door latch and gently pulling the top of the door towards you, after pulling the top of the door far enough to clear the top door latch, gently pull door up, fully releasing the door from the unit.

Step 4: Locate the fuse on the inside of the Filter Access Door. See page 5 component# 12.

Step 5: Remove the fuse using a Phillips head or Flat tipped screwdriver.

Step 6: Replace fuse with 250 V, 2A and tighten fuse holder cap with Flat or Phillips head screwdriver. Reinstall the Filter Access Door, Plug in the HomeCleanse Shield and return power to the furnace. Repeat testing steps 1 - 3.

If the Blue LED stays lit the problem has been solved.

Probable Cause #3: Air flow monitor is not activated.

Solution:

Step 1: Turn off electrical power to furnace.

Step 2: Unplug the HomeCleanse Shield System.

Step 3: Remove the Filter Access Door by lifting up on the top door latch and gently pulling the top of door downwards after pulling the top of door far enough to clear the top door latch, gently pull door up, fully release the door from the unit.

Step 4: Locate the slide switch on the back of Filter Access Door (See page 5 component 14).

Step 5: Slide the Switch with a screwdriver or appropriate tool to turn the switch to "OFF" position.

Step 6: Use Appendix A-1 or A-2 to finish installation.

Step 7: Reinstall Filter Access Door, Plug in HomeCleanse Shield and return power to the furnace.

Repeat testing steps 1 - 3.

If these steps do not resolve any issues with the HomeCleanse Shield System, please contact an HVAC professional for further troubleshooting and repair as any further action requires repair or replacement of non-user serviceable parts.

Limited Warranty

Limited Warranty

Your HomeCleanse Shield Air Cleaner is expressly warranted for five (5) years from the date of installation to be free from defects in material or workmanship, except, however, for the disposable media and control grid including high energy wires which will have to be replaced from time to time depending upon use. HomeCleanse Shield exclusive, obligation under this warranty shall be to supply, without charge, a replacement for any part of the HomeCleanse Shield Air Cleaner which is found to be defective within such five (5) year period and which is returned not later than ninety (90) days after said five (5) year period by you or your original supplier to HomeCleanse Shield, together with the model number and installation date of the HomeCleanse Shield.

THIS WARRANTY SHALL NOT OBLIGATE HomeCleanse Shield FOR ANY LABOR COSTS AND SHALL NOT APPLY TO DEFECTS IN WORKMANSHIP OR MATERIALS FURNISHED BY YOUR INSTALLER AS CONTRASTED TO DEFECTS DISCOVERED IN THE AIR CLEANER ITSELF. IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE SHALL BE LIMITED IN DURATION TO THE AFORESAID FIVE YEAR PERIOD. HomeCleanse Shield LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, OTHER THAN REPAIR OR REPLACEMENT OF DEFECTIVE PARTS, ARISING OUT OF BREACH OF EXPRESS OR IMPLIED WARRANTIES OR THE ABOVE LIMITED WARRANTY IS EXPRESSLY EXCLUDED. THIS LIMITED WARRANTY IS VOID IF DEFECTS RESULT FROM FAILURE TO HAVE THIS UNIT INSTALLED BY A QUALIFIED HEATING AND AIR CONDITIONING CONTRACTOR IF THE LIMITED WARRANTY IS VOID DUE TO FAILURE TO USE A QUALIFIED CONTRACTOR. ALL DISCLAIMERS OF IMPLIED WARRANTIES SHALL BE EFFECTIVE UPON INSTALLATION.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages so the above exclusion or limitations may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

This Limited Warranty does not apply to replaceable filter(s).

Limitations:

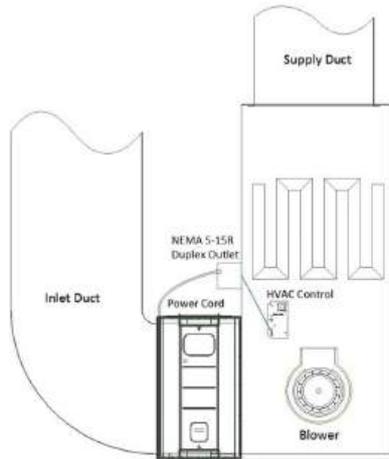
This information is provided as a guide regarding warranty claim procedures for HomeCleanse Shield air purification systems.

- Determine model number from the label on the unit.
- For technical support, warranty information, warranty parts or replacement parts, call HomeCleanse Shield from 8:00 AM-5:00 PM EST. A HomeCleanse Shield representative will help you troubleshoot and diagnose the problem. Warranty matters involving products sold through a manufacturer representative should be directed to the appropriate representative.
- Important: Do NOT return anything without a Return Authorization
- All returned parts are quality tested. If the returned part is found not to be defective, you may be invoiced for the new part.

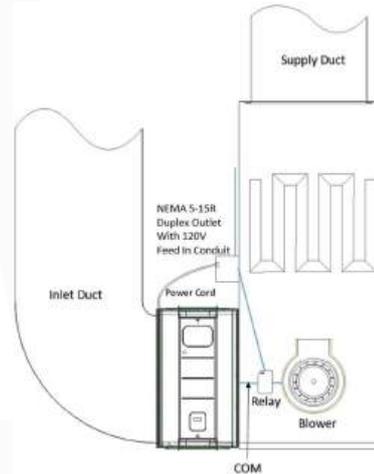
Appendix A - Installation Schematics

APPENDIX A - INSTALLATION SCHEMATIC

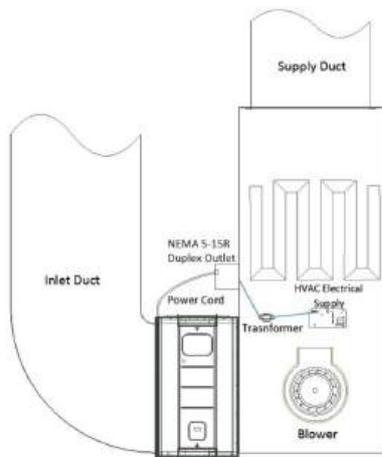
Installation for low pressure/ low static pressure application, set slide switch to "air flow monitor off". And use one of the following schematics to finish the installation.



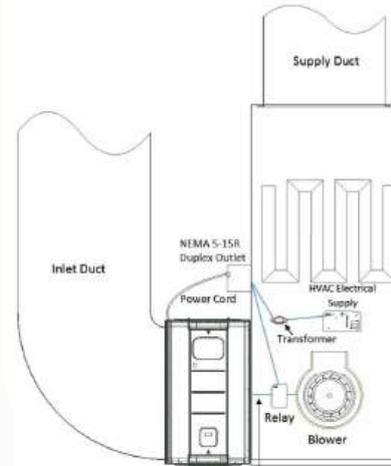
120V With EAC



120V Without EAC



208V - 480V Input With EAC



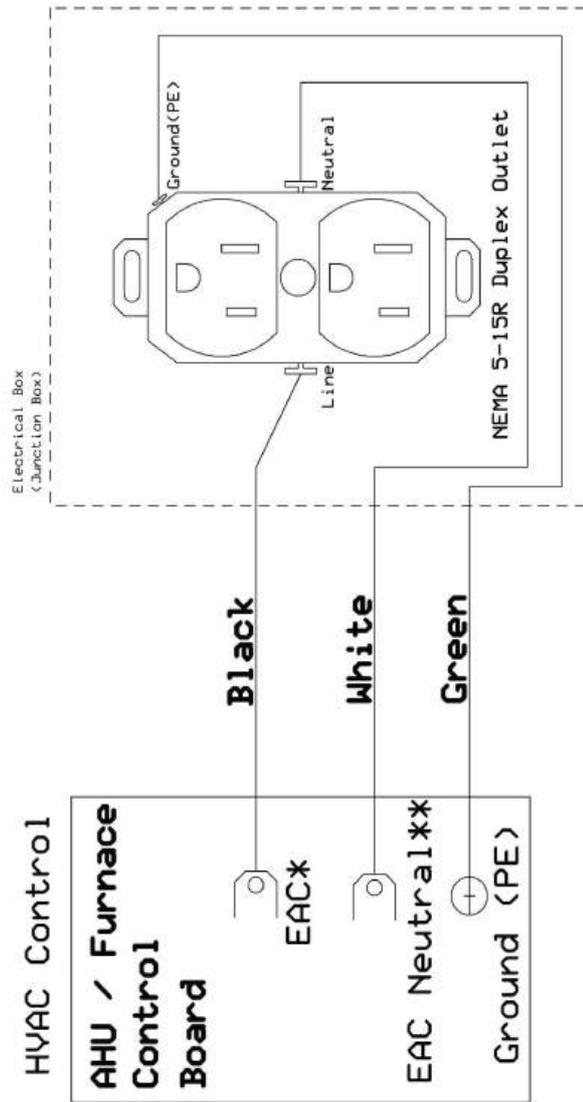
208V - 480V Without EAC

RECOMMENDED PARTS (OR RELEVANT) FOR INSTALLATION SCHEMATIC

- Transformer UL listed by Functional Device, PN: TR40VAO13 VA Rating 40, 60/60Hz, Primary voltage COM 208/240/277/480, Secondary voltage: 120Vac.
- Relay: UL listed, by Functional Device, PN: RBXGHF, 0.5-150 amps, 120V, Max Sense Voltage: 600Vac.

Appendix A-1 120V With EAC

Installation for low flow / low static pressure applications
 AHU / Furnace has EAC (Electronic Air Cleaner) output
 HomeCleanse Shield slide switch set to "air flow monitor off"



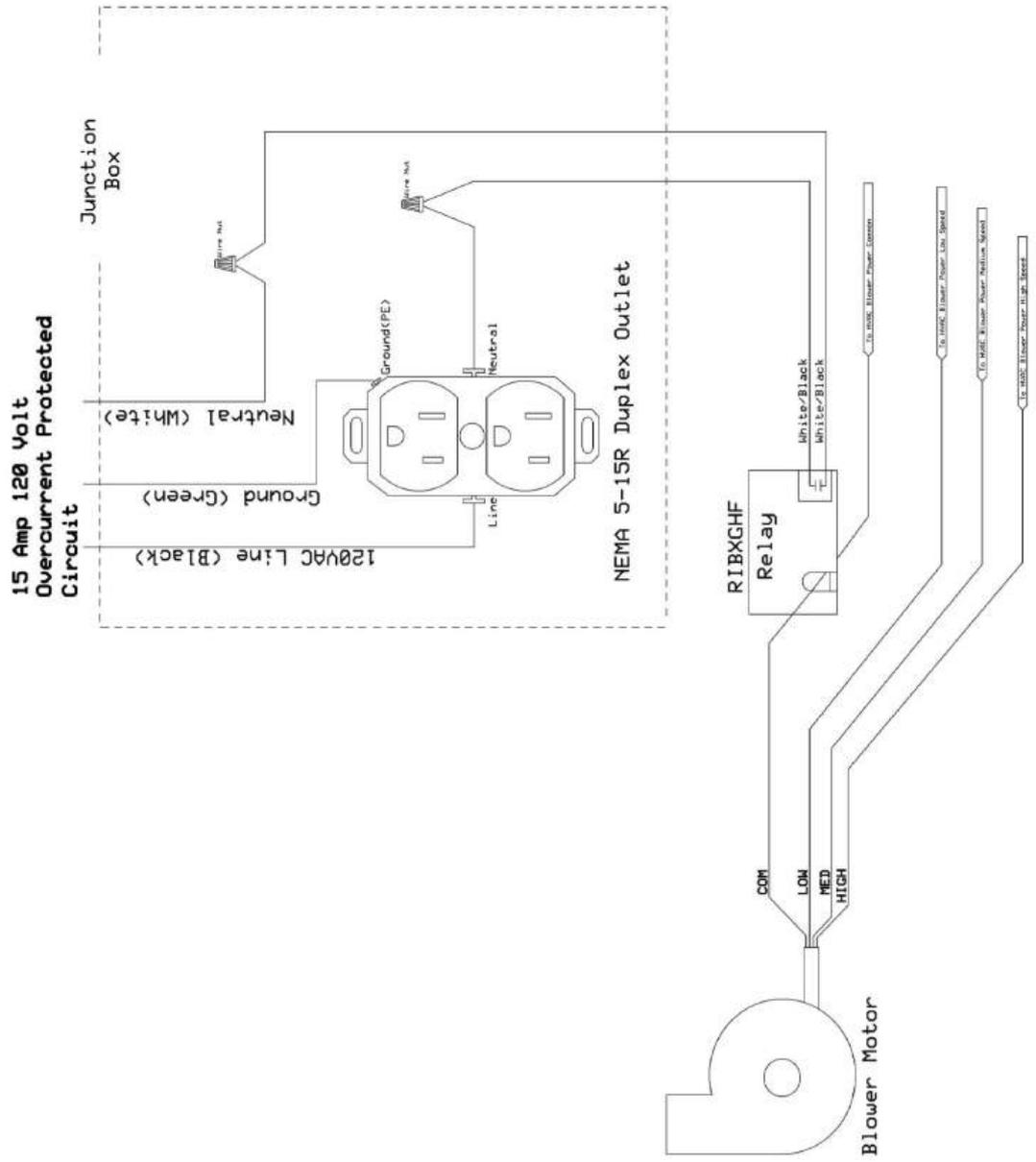
* EAC May be labeled EAC, EAC1, EAC-H...

** EAC Neutral May be labeled EAC Neutral, EAC N, EAC2, EAC-N...



Appendix A2 - 120V Without EAC

Installation for low flow / low static pressure applications AHU / Furnace does not have EAC (Electronic Air Cleaner) output HomeCleanse Shield slide switch set to "air flow monitor off"



Appendix A3 - 208-480V With EAC

Installation for low flow / low static pressure applications
 AHU / Furnace has an input voltage of 208V - 480V
 HomeCleanse Shield slide switch set to "pressure switch off"

