

AIR PURIFICATION SYSTEM

Installation and Operating Guide – Models 1400, 2400, 2000C

An integrated system that addresses biological, gas phase, and particle contamination.

Performance Data

Specifications Model 1400

Pressure Drop

Airflow (cfm) with sterile Sweep	<u>1400</u>	<u>1200</u>	<u>1000</u>
Resistance (in. w.g.)	0.242	0.175"	0.12"

Airflow (cfm) without sterile Sweep	<u>1400</u>	<u>1200</u>	<u>1000</u>
Resistance (in. w.g.)	0.212"	0.151"	0.103"

Weight

With Sterile Sweep 55 Pounds Without
sterile Sweep 42,5 Pounds

Specifications Model 2400

Pressure Drop

Airflow (cfm with Sterile Sweep)	<u>2000</u>	<u>1600</u>	<u>1200</u>
Resistance (in. w.g.)	0.15"	0.09"	0.06"

Airflow (cfm) without Sterile Sweep	<u>2000</u>	<u>1600</u>	<u>1200</u>
Resistance (in. w.g.)	0.12"	0.07"	0.04"

Weight

With sterile Sweep 55 Pounds Without
Sterile Sweep 42,5 Pounds

Specifications Model 2000C

Pressure Drop

Airflow (cfm) with Sterile Sweep	<u>2000</u>	<u>1600</u>	<u>1200</u>
Resistance (in. w.g.)	0.15"	0.10"	0.06"

Airflow (cfm) without Sterile Sweep	<u>2000</u>	<u>1600</u>	<u>1200</u>
Resistance (in. w.g.)	0.20"	0.14"	0.08"

Weight

With Sterile Sweep 25,75 Pounds
Without Sterile Sweep 13,25 Pounds

Electrical (All Models)

Input Voltage 115 vac / 60Hz
Power Consumption 140 Amps,
Fuse Type AGC - 3 A / 250 V

Electrical Specifications & Wiring Diagrams

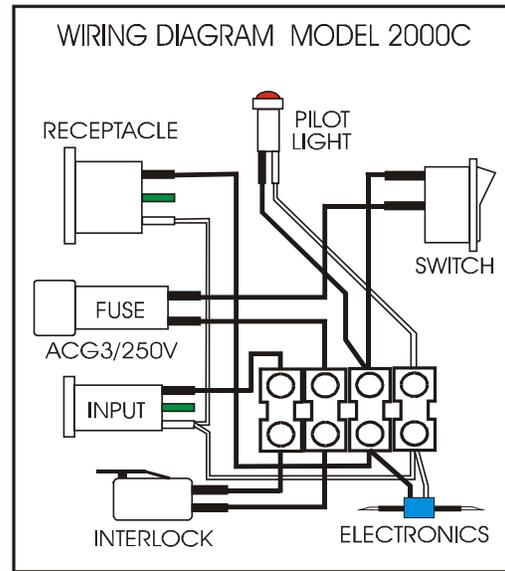
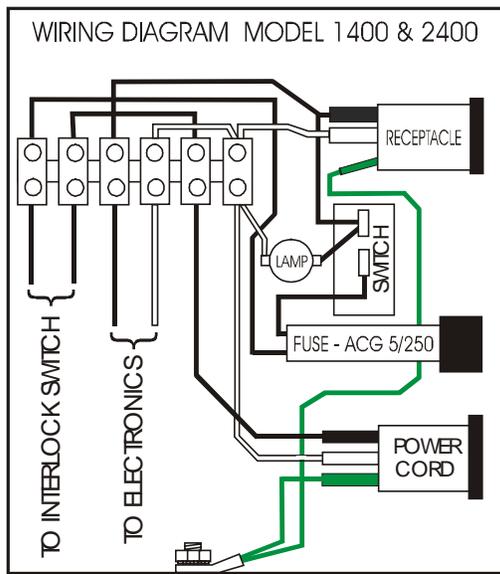
Electrical: (All Models)

Input - 115 VAC /60Hz

Power Consumption - 1.1 Amps

Fuse - NPE - AGC - 3A / 250

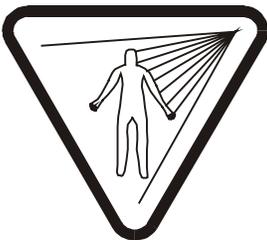
Weight: 47.25 LBS (21 KG)



Certification

Certified to CAN/CSA Std. C22.2 N 187 o. Conforms to UL Std. 867.

Radiation Warning Label

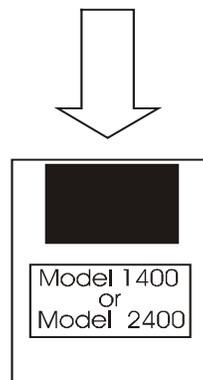
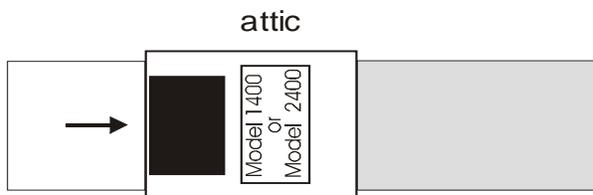
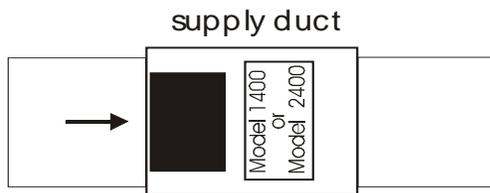
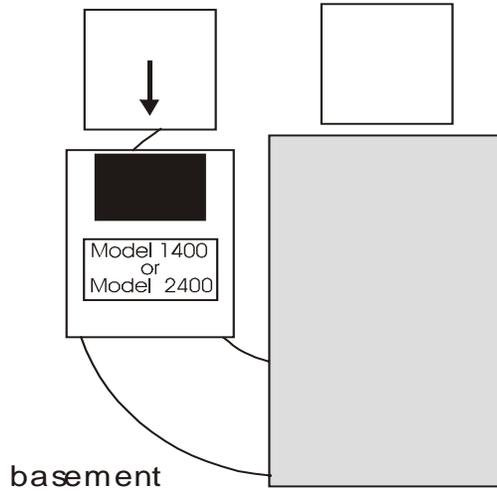


WARNING - - ULTRA VIOLET RADIATION - - FOLLOW INSTRUCTIONS - - FAILURE TO USE PROTECTIVE EYEWEAR MAY RESULT IN SEVERE OR OTHER EYE INJURY - - IF DISCOMFORT DEVELOPS, DISCONTINUE USE AND CONSULT A PHYSICIAN; and
 ATTENTION - - RAYONNEMENTS ULTRAVIOLETS - - VEUILLEZ SUIVRE LES INSTRUCTIONS - - SANS DISPOSITIF DE PROTECTION DES YEUX, CE PRODUIT PEUT CAUSER DES BRULURES OU LESIONS OCULAIRES GRAVES - - SI VOUS SENTEZ UN MALAISE, EN DISCONTINEUR L' USAGE ET CONSULTER UN MEDECIN;

CAUTION: DISCONNECT SUPPLY CORD BEFORE OPENING; and
 ATTENTION: DEBRANCHER LE CORDON D' ALIMENTATION AVANT D'OUVRIR

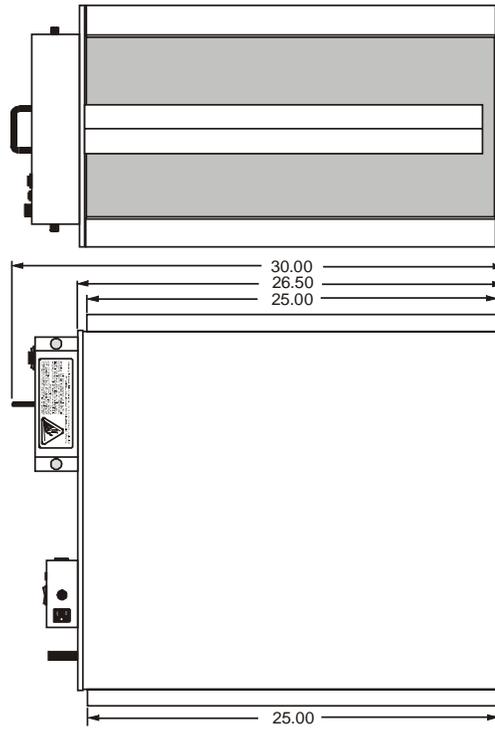
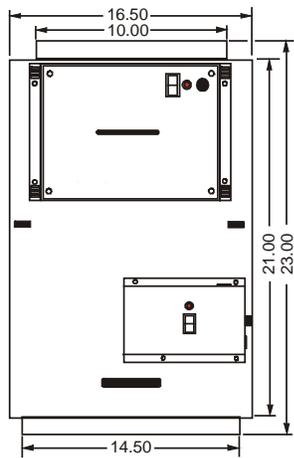
Installation – Model 1400 / 2400

The Model 1400 and 2400 installs in-line and replaces a section of duct on the return to the air handler.



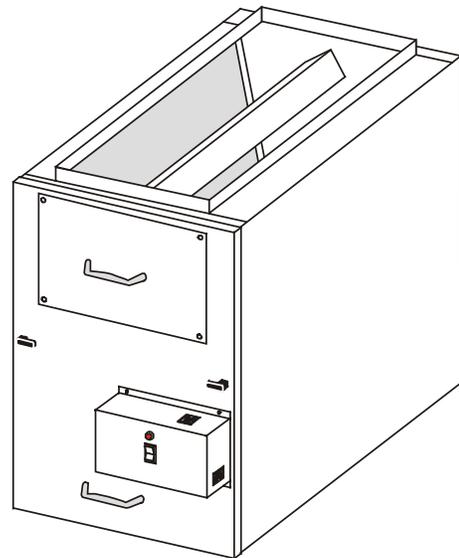
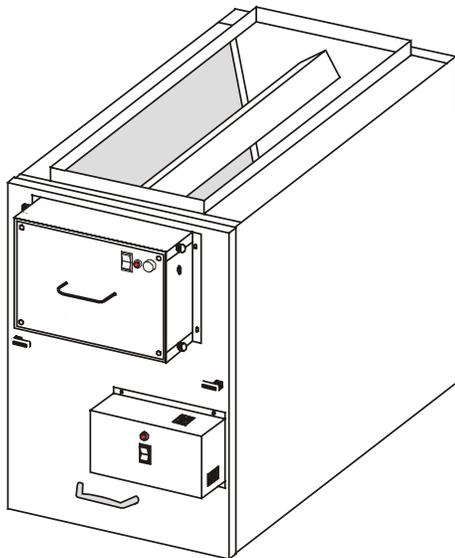
Model 1400

FILTER SIZE
25-3/4 X 20"
FILTER AREA
24-1/2 X 18-3/4
3.19 SQ. FT. PER FILTER
6.38 SQ. FT. TOTAL



FILTER BOX WITH TWO FILTERS AND " STERILE SWEEP "

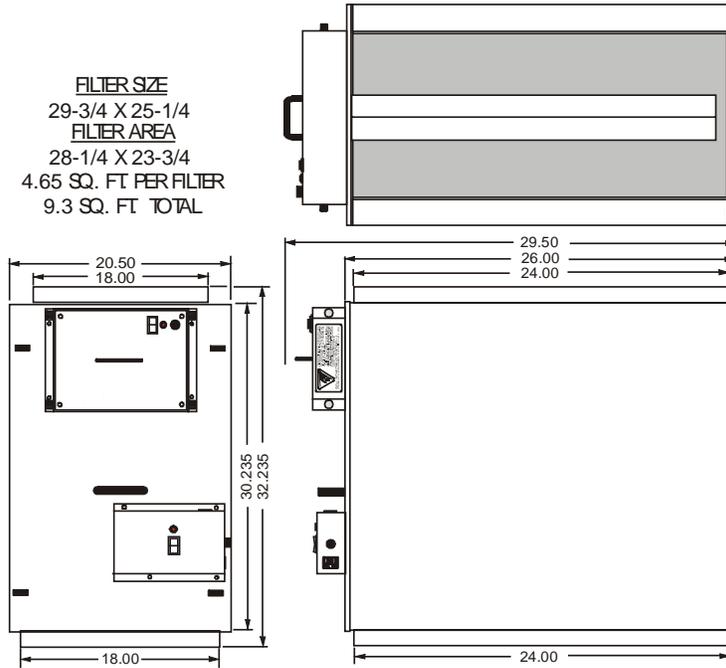
FILTER BOX WITH TWO FILTERS



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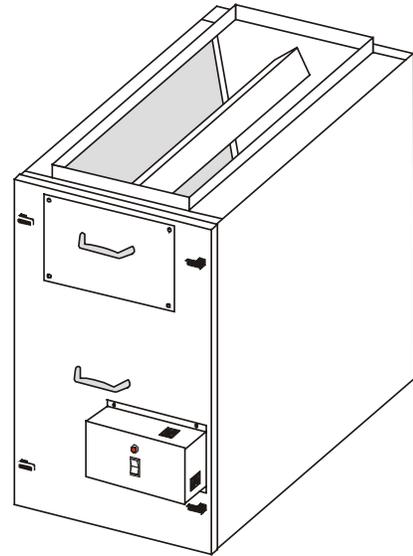
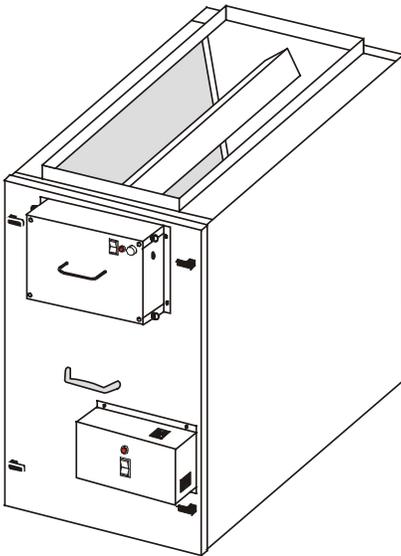
Model 2400

FILTER SIZE
29-3/4 X 25-1/4
FILTER AREA
28-1/4 X 23-3/4
4.65 SQ. FT PER FILTER
9.3 SQ. FT. TOTAL



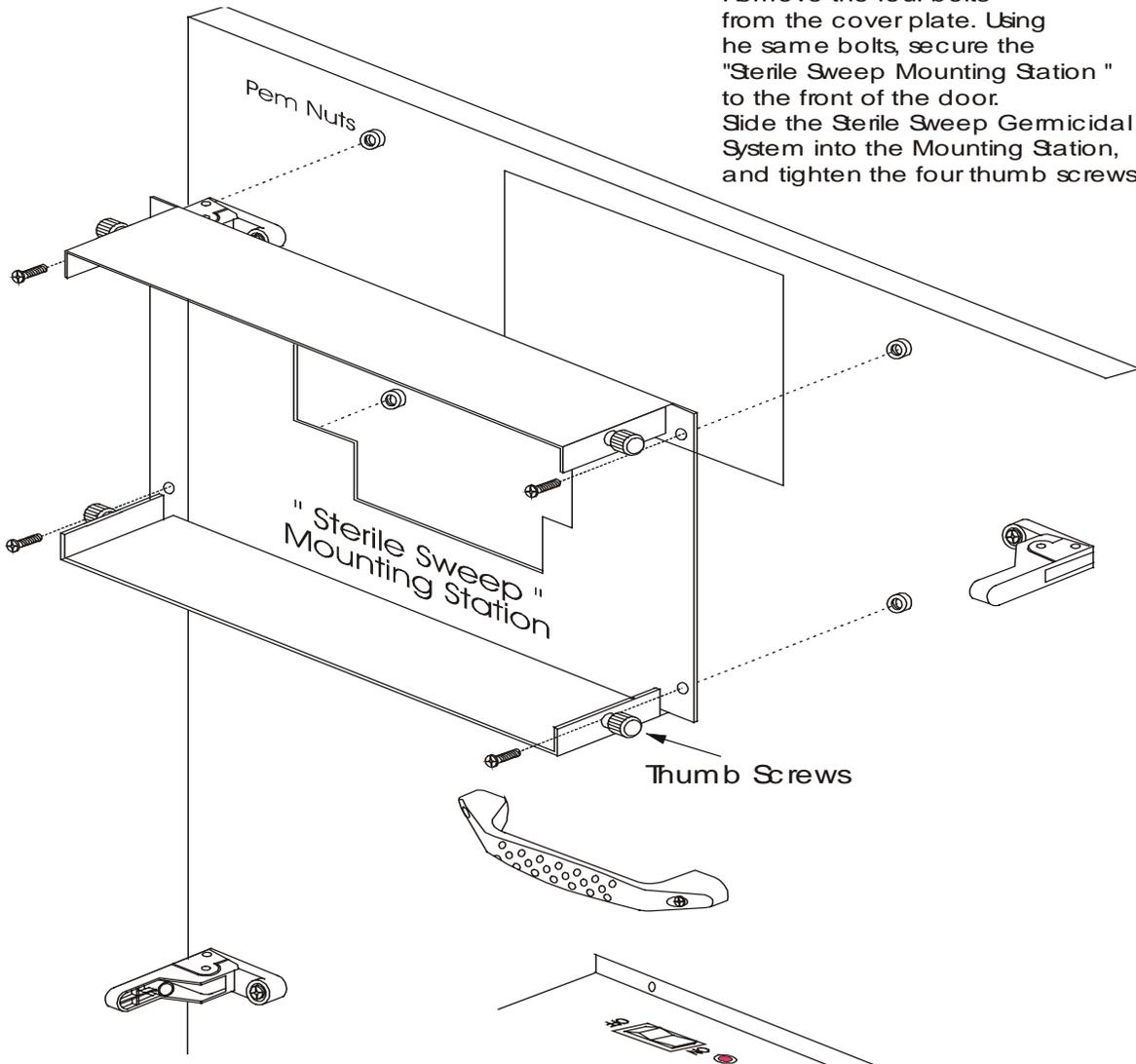
FILTER BOX WITH TWO FILTERS AND " STERILE SWEEP "

FILTER BOX WITH TWO FILTERS



STERILE SWEEP INSTALLATION

Remove the four bolts from the cover plate. Using the same bolts, secure the "Sterile Sweep Mounting Station" to the front of the door. Slide the Sterile Sweep Germicidal System into the Mounting Station, and tighten the four thumb screws.



! WARNING !

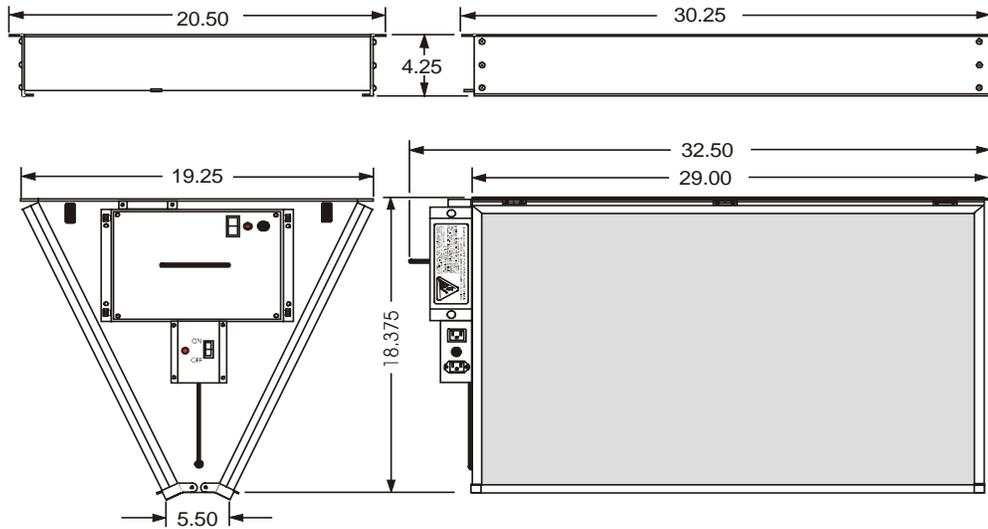
UV-C light does not appear bright but it will cause damage to eyes and skin. Never attempt to operate the Sterile Sweep™ in any way that would expose eyes and skin to direct light rays.

Installation – Model 2000C

For upflow/platform applications, the Model 2000C can be installed to slide into the return air plenum. Airflow should be directed from the mouth of the V-Bank to the narrow point of the V.

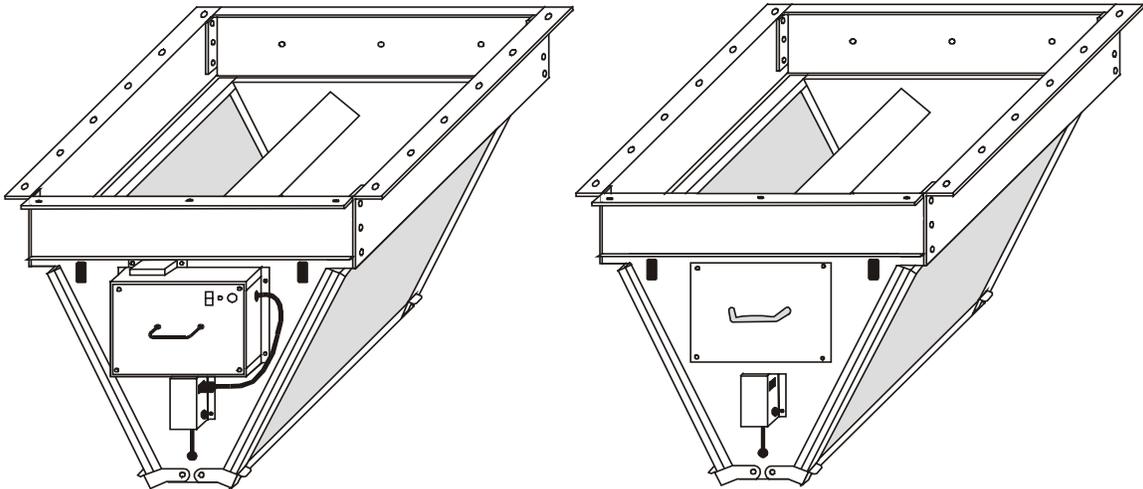
Model 2000C

FILTER SIZE
28-7/8 X 18-3/4
FILTER AREA
27-3/8 X 17-1/4
3.28 SQ. FT. PER FILTER
6.56 SQ. FT. TOTAL



FILTER BOX WITH TWO FILTERS AND "STERILE SWEEP"

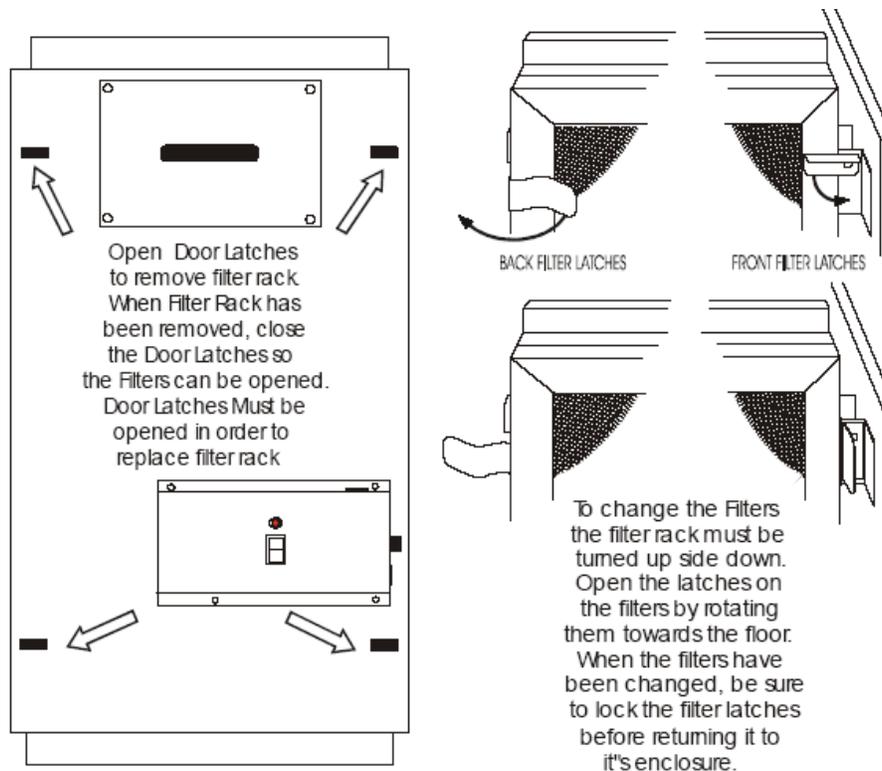
FILTER BOX WITH TWO FILTERS



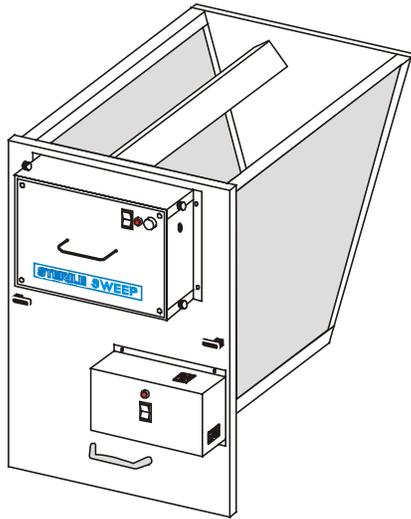
Media Replacement

In most applications the air cleaner should be changed twice a year. The procedure is as follows:

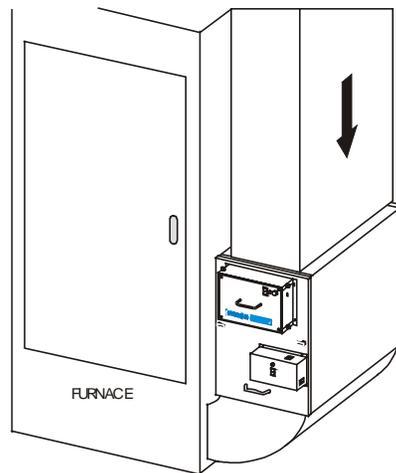
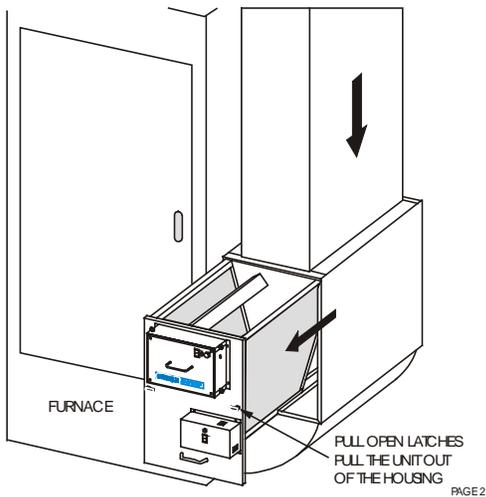
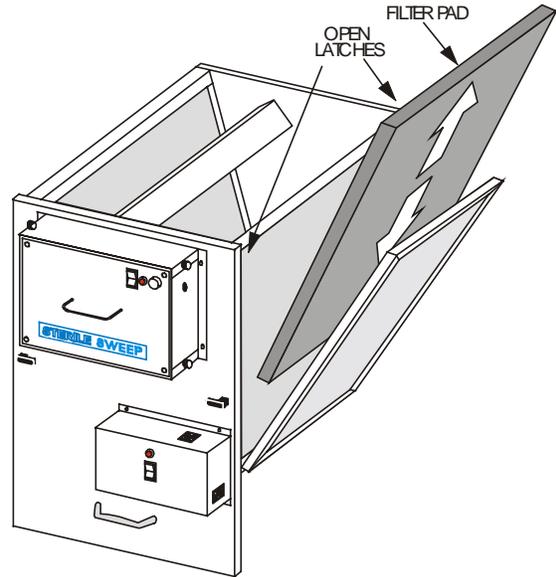
- 1.) Turn off the power to the furnace/air handler.
- 2.) Turn of the power switch on the air cleaner and unplug the power cord from the air cleaner.
- 3.) Unlatch and pull out the air cleaner module. If your unit has a Sterile Sweep™ UV system, do not handle the interior lamp housing.
- 4.) Lay the air cleaner module on a flat surface so that the point of the "V" of the air cleaner points upward.
- 5.) Unlatch the air cleaner panels and remove the dirty media pads and place them carefully in a plastic garbage bag. Note: If you suffer from allergies, it is recommended that you wear a dust mask and gloves when handling the dirty media.
- 6.) Insert the new media pads and close the panels.
- 7.) Re-install the air cleaner module plug in the power cord and restore power to the furnace/air handler.



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OPEN THE FILTER
REMOVE OLD FILTER
PAD AND REPLACE
WITH A NEW FILTER PAD



The Air Cleaner can be mounted
on either the return or supply of
the Air Handler



UV Lamp Replacement

If your system is equipped with a Sterile Sweep™ UV-C system, the lamp should be replaced every 12-18 months. The procedure is as follows:

- 1.) Turn off the power to the furnace/air handler.
- 2.) Loosen the four captive screws and pull the Sterile Sweep™ straight out of the unit.
- 3.) Lay the unit on a flat surface with the lamp facing up.
- 4.) Pull the lamp just out of the retaining bracket at the end of the lamp housing.
- 5.) Unplug the lamp from its base.
- 6.) Although there should be little build-up, it is a good idea to carefully wipe the reflector clean with the provided alcohol wipe.
- 7.) Using a clean cloth or gloves, install the new Dynamic Lamp into the base and retaining bracket. Wipe away any fingerprints or dust with the alcohol wipe.
- 8.) Re-install the Sterile Sweep™ into the unit and plug it in.
- 9.) Restore power to the furnace/air handler.

! WARNING !

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Specifications are subject to change without notice.
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