

# Ultravation®

Professional Indoor Air Quality Products

## HEPA Complete Whole House Air Cleaning System OWNERS GUIDE



**Models: 93-002 650 CFM, 93-004 950 CFM**

### **Table of Contents:**

Page 2- Shipping and Packaging list, Introduction and Application, Maintenance, Replacing Filter

Page 3- Typical installation, **Photronic Upgrade Option**, Replacement Part Numbers

Page 4- Warranty

**LEAVE FOR HOMEOWNER**

## Shipping and Packaging List:

- Filter Housing including Access Doors
- MERV-11 Media Air Filter
- 4- ¾ inch 5/16 self tapping sheet metal screws
- 1- Door Handle with hardware

## Introduction and Application:

This Ultravation Whole House HEPA Filtration system provides relief from allergies and other respiratory related health issues as well as reducing particulates such as dust, mites, pollen, mold spores, pet dander and bacteria. The Ultravation Whole House HEPA system is 99.97% efficient at removing particles as small as .3 micron.

### **THIS PRODUCT IS DESIGNED TO OPERATE CONTINUOUSLY. DO NOT WIRE TO BLOWER CONTROL.**

#### Installation requirements:

The desired location for installation of the Ultravation Whole House HEPA system is in the return air ductwork; **This Product should never be installed on the supply side.**

This product requires 120v 60hz power.

Once the Ultravation Whole House HEPA system is installed, it is very important to maintain the unit by changing the pre- filter periodically (typically in 6 month intervals) so as not to obstruct airflow, damage components or increase energy costs.

The Ultravation Whole House HEPA system has been designed for use in conjunction with virtually any HVAC system.

Do not install this unit in the supply duct.

Be sure to plan adequate space for filter replacement.

Before installation is complete, seal all joints and seams with duct tape or caulking.

**Note:** Handle fits either door. A Phillips screw driver will be required to install the handle. Handle holes are behind the label on either door, depending on the orientation of the installation.

## Maintenance:

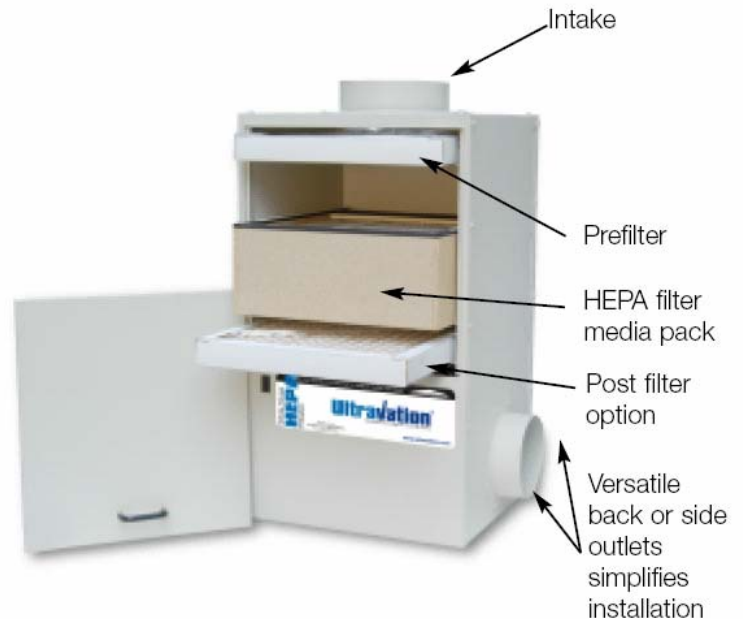
The filter media in your air cleaner must be changed periodically. The frequency of filter replacement is best determined by visual examination. However, a 6 month replacement of the pre-filter is strongly recommended (this will greatly pro-long the life of the HEPA Filter. The HEPA (larger) filter is recommended for a 5-year replacement (individual results vary)

### HEPA and MERV-11 Filter Replacement:

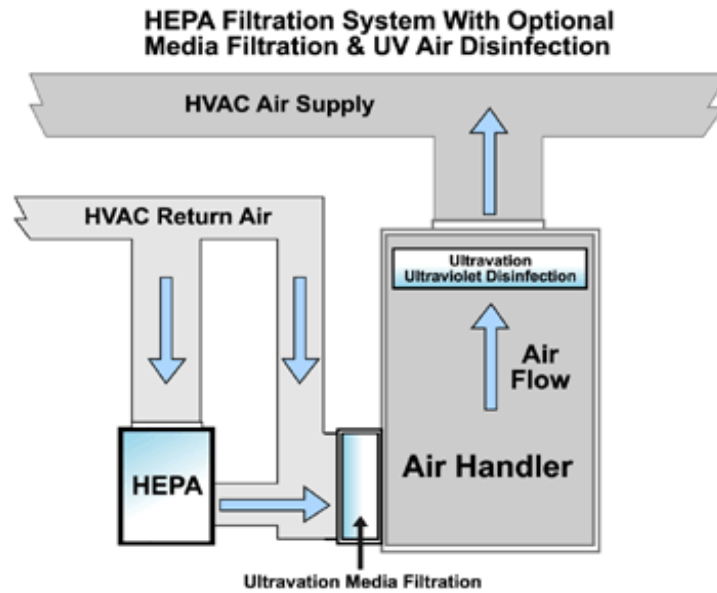
Steps for replacing filter:

1. Open the access door by lifting up on the handle and pulling the bottom of the door toward you. Then slide the top of door down, removing the door completely.
2. Remove the desired filter by pulling out used filter and discard accordingly.
3. Slide new filter into cabinet with "airflow label pointing in the direction of the airflow.
4. Replace access door.

**Replacement filters** can be obtained through your installing contractor or local dealer.



## Typical installation of an Ultravation Whole House HEPA System



### Photronic Upgrade Options:

Most of Ultravations media air cleaners are designed for the future upgrades. Excluding a few of Ultravations media air cleaners all of the units are upgradeable to high efficiency Photronic air disinfection. The units come equipped with an auxiliary power input and designed to fit the Ultra-Ion Re-fresh PCO module. Another option to the upgrade is remote UVC lamps which can be located within 12 ft. of the electrical Photronic housing. With these upgrades your unit becomes a high efficiency multi stage air disinfection system. The Photronic works in 3 stages to remove almost everything in your air stream, starting with large particles (dust and other airborne debris), then removing odors through the Ultra-Ion Re-fresh PCO module, and finally removing microorganisms (germs, mildew, mold) using Ultravations patented T3 UVC lamps.

#### Photronic Electrical Housings

1. Photronic Electronics Upgrade no Remote UVC (Large- 94-037)
2. Photronic Electronics Upgrade with 12" Remote UVC (Large- 94-038)
3. Photronic Electronics Upgrade with 17" Remote UVC (Large- 94-039)

### Upgrade Options and Replacement Components

Models	Photronic Electronics Housing	1" MERV-11 Filters	Re-fresh PCO Filter
	<b><u>*See List Above</u></b>		
93-002 / 93-004 Large	1,2,3	N/A	91-042

### Replacement filters:

Model	Replacement HEPA Filters	Replacement MERV-11 Filters
93-002, 93-004	91-011	91-010
	<b>Optional Carbon Post-Filters</b>	
93-002, 93-004	91-050	

\*(See Serial Number Label inside of equipment door for unit replacement part numbers)

**Warranty:**

Ultravation warrants this product against any defects in material or workmanship for a period of 10 years after date of purchase, with the exception of the disposable media filter, the UV Lamps, the battery, the ductwork and installation.

The UV lamps and the battery are warranted for a period of 1 year.

This warranty does not include damage to the unit from accident, misuse or improper installation. If this product should become defective during the warranty period, Ultravation will repair or elect to replace the product free of charge. Ultravation will return repaired or replaced warranted products pre-paid, provided that the product was delivered pre-paid.

Ultravation shall have no responsibilities for charges incurred by the customer for installation or removal of warranted items. Liability is limited only to the replacement or repair of this product.

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

All returns must be accompanied by a return authorization number, which may be obtained by contacting Ultravation, Inc.

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