

Ultravation®

Complete Whole House Air Cleaning System Upgradeable Right Angle Media Air Cleaner OWNERS GUIDE



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LEAVE FOR HOMEOWNER

Shipping and Packaging List:

- Filter Housing including 2 Access Doors
- MERV-11 Media Air Filter
- 1- Adjustable Top
- 4- ¾ inch 5/16 self tapping sheet metal screws
- 8' x ½" Installation foam
- 1- Door Handles with hardware

Introduction and Applications:

This Ultravation Media Air Cleaner is a high efficiency air filtration unit designed to remove dirt, dust, pollen, and other microscopic particles from the air that circulates through it. By adding this device to your HVAC system, you are helping to create a cleaner indoor living environment for your whole household.

The filter works by trapping particles in the pleats of the media filter. With an extra large surface area, the filter allows for maximum dirt holding capacity and a long, useful filter life with minimum air flow restriction.

This media air cleaner is to be installed in a forced air heating, cooling and ventilation system. It should be installed so that all the system air is circulated through the filter. The air cleaner will only filter the air that is circulated through it. For maximum filtration effect, set your blower to operate continuously.

Installation Requirements:

The desired location for installation of the Ultravation Right Angle Media Air Cleaner is in the return air next to the blower compartment. In this location, the blower motor and internal components will be kept clean.

By installing the air cleaner in this location (upstream from the cooling coils) you also will assure that the cooling coils of the air conditioning system will be kept clean. This increases coil life, improves system efficiency, and reduces maintenance costs.

Once the Ultravation Right Angle Media Air Cleaner is installed, it is very important to maintain the unit by changing the filter periodically so as not obstruct airflow, damage components or increase energy costs.

The Ultravation Right Angle Media Air Cleaner has been designed for use in conjunction with Highboy HVAC systems.

The duct opening of this unit is adjustable for either an 8" x 24" duct, 10" x 24" duct. —or- 12" x 24" duct.

Just remove the three sheet metal screws on the top, adjust the flange, and reattach.

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.

Gasket material included to optimize IAQ performance.

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 bi-annual replacement of the filter is strongly recommended.

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

Steps for replacing pleated filter:

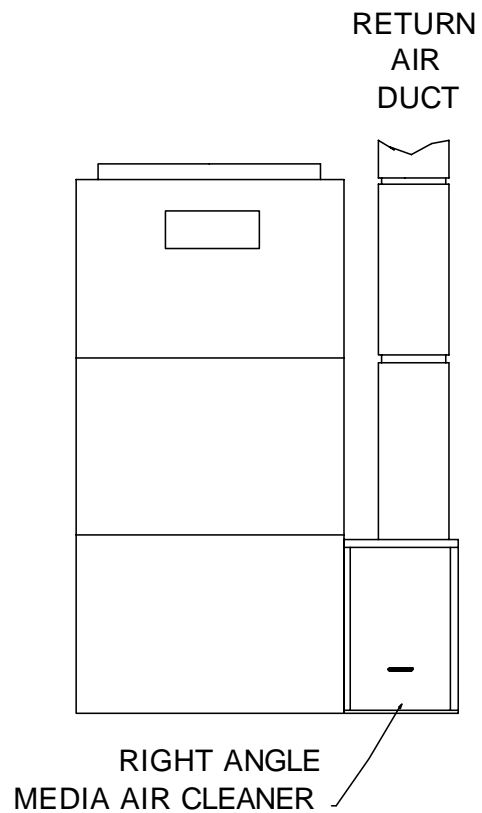
1. Open the access door by lifting up on the handle and pulling the bottom of the door toward you. Then slide the top of door down, removing the door completely.
2. Tilt used filter to allow it to be removed through door opening. Pull out and discard.
3. Slide new filter into cabinet with "airflow label" pointing in the direction of the airflow. Be sure to seat new filter into top and bottom brackets to assure a good seal.
4. Replace access door.

Note: a gasket is provided to seal between the opening on the side of the filtration cabinet and the side of the air handler.

Air Conditioning:

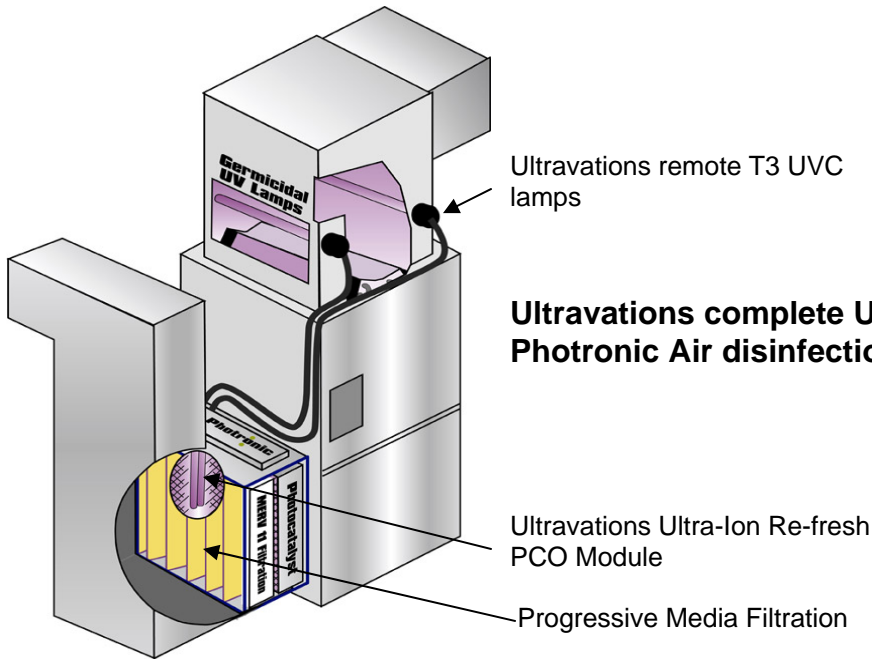
The air cleaner should be installed upstream of the cooling coil. This will keep the coil clean and reduce air conditioning coil maintenance. Improved cooling efficiency is the result, which directly affects energy costs. A clean coil will reduce utility costs. Failure to replace media can cause damage to the cooling system.

Typical installation of an Ultravation Right Angle Media Air Cleaner



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 removable knock outs 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.



Ultravations complete Upgraded Photronic Air disinfection system

- Photronic Electrical Housings**
1. Photronic Electronics Upgrade no Remote UVC (94-001)
 2. Photronic Electronics Upgrade with 12" Remote UVC (94-002)
 3. Photronic Electronics Upgrade with 17" Remote UVC (94-003)

Upgrade Options and Replacement Components

Models	Photronic Electronics Housing	Re-fresh PCO Filter
	<u>*See List Above</u>	
90-026 / 90-027	1,2,3	91-031

Replacement filters:

Model Dimensions	Replacement Filters
20 x 25 x 5	91-006 MERV-11

***(See Serial Number Label on bottom inside panel 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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