

Ultravation®

Professional Indoor Air Quality Products

Complete Whole House Air Cleaning System Equipment Support Box Air Cleaner OWNERS GUIDE



Models: 90-028, 90-029, 90-030, 90-031 (Small)
Models: 90-032, 90-033, 90-034, 90-035 (Large)

Table of Contents:

Page 2- Shipping and Packaging list, Introduction and Application, Installation Requirements, Maintenance, Air Conditioning

Page 3- **Photronic Upgrade Options**, Filter Specifications, Replacement Filters

Page 4- Warranty

LEAVE FOR HOMEOWNER

Shipping and Packaging List:

- Filter Housing including 2 Access Doors
- MERV-11 Media Air Filter
- Adjustable Tops
- 8' x 1/2" Installation foam
- 2- Phillips head screws
- 9- 3/4 inch 5/16 self tapping sheet metal screws
- 1- Door Handle 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 Support System Media Air Cleaner is in the return air under 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 Support System Media Air Cleaner is installed, it is very important to maintain the unit by changing the filter periodically (typically in 6 mo intervals) so as not obstruct airflow, damage components or increase energy costs.

The Ultravation Support System Media Air Cleaner has been designed for use in conjunction with virtually any HVAC system.

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

Maintenance:

The filter media in your air cleaner must be changed periodically. The frequency of filter replacement is best determined by visual examination. However, an annual replacement of the filter is strongly recommended.

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

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 spacing block (do not discard) to allow the filter to be removed through door opening. Pull out used filter and discard accordingly.
3. Slide new filter into cabinet with "airflow label" pointing in the direction of the airflow. Be sure to replace the filter spacing block.
4. Replace access door.

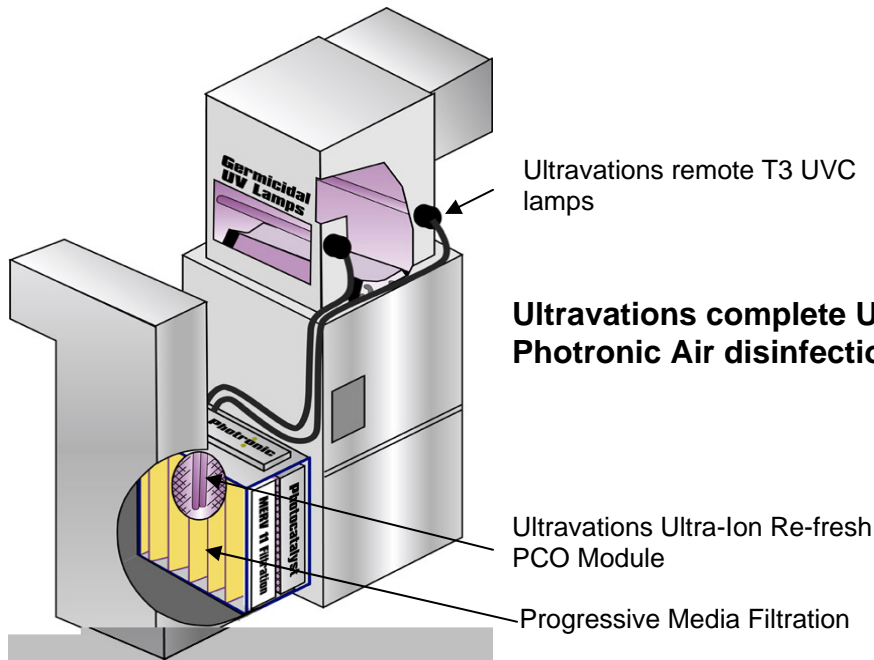
Air Conditioning:

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.

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.

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	1" MERV-11 Filters	Re-fresh PCO Filter
	<u>*See List Above</u>		
90-028 / 90-029 / 90-030 / 90-031	1,2,3	N/A	91-033 MERV-11
90-032 / 90-033 / 90-034 / 90-035	1,2,3	N/A	91-035 MERV-11

Replacement filters:

Model Dimensions	Replacement Filters	1" Slimline Replacement Filters
16 x 25 x 5	91-005 MERV-11	N/A
20 x 25 x 5	91-006 MERV-11	N/A

***(See Serial Number Label on the inside of 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 consumer purchase, with the exception of the disposable media filter, duct work and installation.

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.

Ultravation, Inc.~ P.O. Box 234 ~ 218 Jones Drive ~ Brandon, Vermont 05733

Phone: 802-247-0034 ~ Fax: 802-247-0033 ~ www.ultravation.com