

## Maintenance:

Typical maintenance of the Advantage PowerPCO system is recommended replacement of the UVC Lamp Module every two years.

UV lamps undergo a photochemical process during operation. This slowly reduces the amount of UV light generated to disinfect against airborne pathogens.

### **Important:**

When installing new lamps, ensure that the lamp glass is free from any fingerprints or debris, as this may alter the path of the UV energy. Use rubbing alcohol and a dry cloth to remove any surface contaminants.

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## Replacement Lamp Log Sheet:

Included with the product is a replacement lamp log sheet. It is provided as a label so it can be attached near the installation to ensure lamp replacements are being tracked.

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## Replacement Lamp Part Numbers:

12" Lamp module (Provides 2 years increase HVAC efficiency)...UVC-MOD-12-T3

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## Warranty:

The Ultravation® UVC-Advantage Power PCO series has a two year warranty from date of installation (minimum expected lifetime of product within normal operating conditions).

This warranty does not include damage to the unit from accident, misuse or improper installation.

If this product should become defective, Ultravation will elect to replace the product free of charge. Ultravation will return replaced warranted products pre-paid to the customer, 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 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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## Ultravation, Inc.

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DC-OM-ADVPWRPCO Rev 3



# Ultravation®

Better Air | Better Water | Better Living™

Ultravation®

**Advantage™**  
**PowerPCO** Fresher, cleaner  
& healthier air!

## Installation and Owners Manual



<u>Model #</u>	<u>Description</u>	<u>Operating Voltage</u>	<u>Lamp Length</u>
ADVPWPCO2412	HVAC Catalyst Air Purifier	24vac.	12"

## Package Contents:

- One UVC Advantage Power PcoCatalyst
- One power cord
- Four self tapping screws
- One 12" T3 Lamp Module
- Two wire nuts
- UVC warning label, glow plug.
- Replacement lamp log sheet
- Warranty card
- Ductboard plate / sealing tape
- Warning label

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## Safety Precautions:

It is recommended that this unit be installed and maintained by a trained technician.

**WARNING:** UV Hazard. Always protect eyes from ultraviolet light. NEVER look at UV lamps in operation. Unplug or disconnect power before re-lamping or servicing.

**WARNING:** Severe eye damage or temporary blindness may occur.

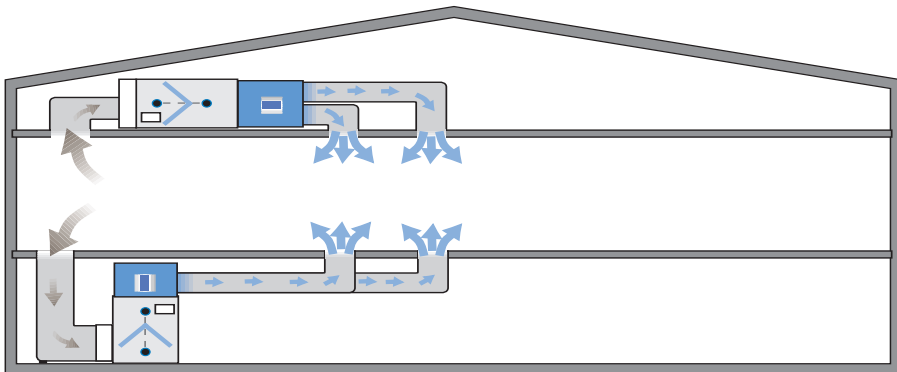
**WARNING:** DO NOT operate outside of air handler. Mount product in preferred location first.

**WARNING:** No openings should be allowed which would give direct line-of-sight to the UV light.

In the event of accidental breakage or replacement of the ultraviolet lamp, please ensure that the lamp is disposed of in accordance with local and state environmental laws regarding fluorescent lamps containing mercury.

### **Notice:**

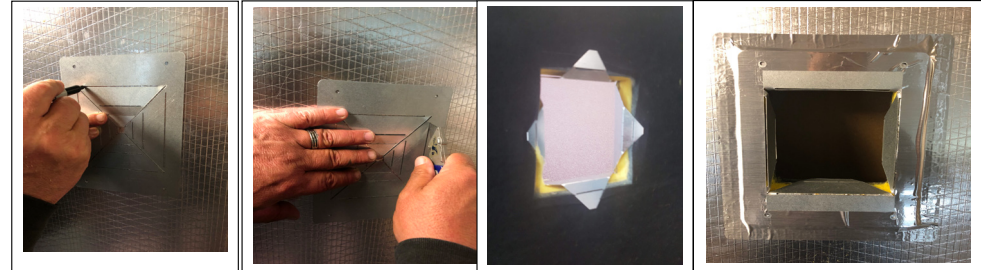
All wiring inside of the air handler in direct line of site of the UV lamp must be shielded with aluminum foil tape or equivalent non-combustible material. When installing this unit, select a mounting location that prevents ultraviolet light exposure to synthetic or other plastic components with unknown resistance to ultraviolet light. Ultraviolet light may cause color shift or structural degradation of plastic internal components.



**Note:** Typical installation locations are after filtration and before any branching off into the living area. (Shown in picture above)

## Installation Steps:

1. Determine a suitable location to install the module. Mounting location should be of sufficient strength as to support the module; otherwise reinforcement of the supplied duct work collar may be necessary. The module should be installed after filtration and before any branches in the duct work.
2. When a suitable location is determined cut a hole for installation of the module.
3. Install supplied ductboard plate - or use as a template for cutting clearance hole:



4. Install a dedicated 40 VA 24 VAC transformer per applicable local and state electrical codes, not included. Or use optional 120v wall plug accessory sold separately (Part number 94-135)
  5. The UVC-Advantage power PCO is designed to operate constantly, it is not recommended to switch off and on with the fan motor.
  6. Connect the power cord using the supplied wire nuts to the transformer.
  7. Plug the connector into the UVC Advantage module.
  8. Affix all warning and lamp replacement labels as well as the UVC viewport in a clear and logical location for quick inspection of the UVC system.
  9. Replace any service panels, reconnect system power.
  10. Ensure the system is operating by noting the blue glow within the viewport.
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