



How Nature Cleans®

Ux 210 & Ux 520 Series

***Active Photocatalytic Oxidation
(PCO)***

In-Duct Technology

USER'S GUIDE

UVAIRx, Inc.

4833 Front Street Unit B-508
Castle Rock, Colorado 80104
303-579-4865

www.UVAIRx.com

Made in the USA



CAUTION: Read manual carefully for proper procedures and operation.
Intended to be installed by a professional HVAC technician only.

CONGRATULATIONS

on your purchase of a UVAIRx Ux210 or Ux 510 Air Purification Enhancement System. The Ux210 is designed to be installed into an existing HVAC system and used as a virtually maintenance free enhancement to current air purification technology. The Ux510 is designed to be hung from the ceiling.

Please read and follow all service procedures outlined in this manual.

RECORDS

Please record the name and phone number of your Dealer

Name: _____

Phone #: _____

Please record the serial number of your UVAIRx Ux210 or Ux510

Serial # _____

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FURTHER LIMITATIONS AND EXCLUSIONS ARE AS FOLLOWS

Any warranty that may be implied in connection with your purchase or use of the Product, including any warranty of merchantability or any warranty for Fitness For A Particular Purpose is limited to the duration of this warranty. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

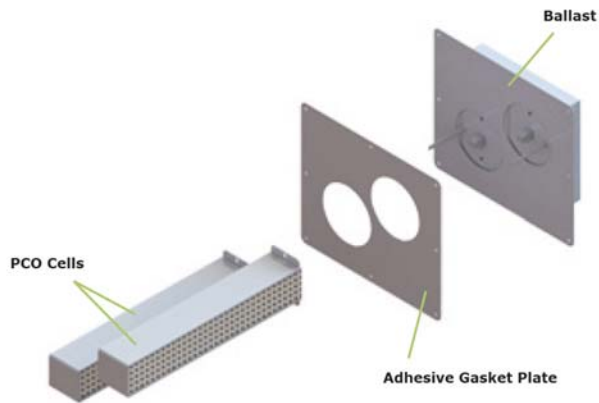
This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

REGISTRATION

Please register your Product within 10 days of purchase by filling out and returning the enclosed warranty registration card.

Registering your new UVAIRx Ux210 entitles you to the most up-to-date UVAIRx Ux210 warranty and promotional information.

14 PRODUCT CONTENTS



INSTALLATION HARDWARE

(8) Self-Tapping Screws

(4) Brass Thumb Nuts

REPLACEMENT PARTS

The PCO Cell is the only replacement part available for the UVAIRx 210. Please contact your distributor for your new cell replacements.

PCO Cell Part Number: CELL-HV-14-03-GT

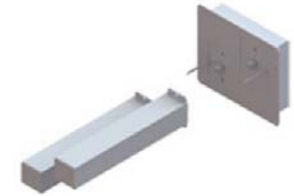
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CHANGING THE PCO CELL (continued)

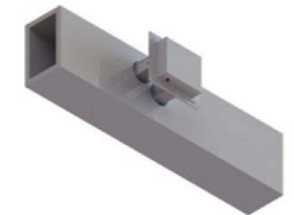


NOTE: Refer to the Maintenance Section (Page 9) for cell disposal instructions.

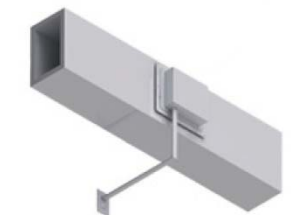
4. Exchange the Old PCO Cells with the New PCO Cells and replace the (4) Screws that hold them into place.



5. Replace the Unit Cover and PCO Cells in the duct and secure with the (4) Brass Thumb Nuts.



6. Place the Unit Power Cable back into the receptacle and repower your unit.



LIMITED WARRANTY INFORMATION

Your UVAIRx model (Product) is warranted to be free from all defects in material and workmanship in normal household use for a period of 2 Years from date of purchase. The warranty is granted to only the original purchaser. The warranty is subject to the following provisions:

Any damages or malfunctions caused by negligence, abuse or use not in accordance with the Product Owner’s Manual are not covered by this warranty. Likewise, any defects or damages caused by unauthorized service or the use of other than Genuine UVAIRx Ux210 or Ux510 Parts are not covered.

UVAIRx will, at its option, repair or replace a defective Product or part(s) for the Product that is/are covered by this warranty. As a matter of warranty policy, UVAIRx will not refund the customer’s purchase price

OBTAINING WARRANTY SERVICE

To obtain warranty service you must return the defective product along with proof of purchase to the UVAIRx Authorized Service Center. All shipping costs submitted under this warranty shall be borne by purchaser. Unless this warranty this Warranty is expressly renewed or extended by UVAIRx, any repaired or replaced part of the unit shall be warranted to the original purchaser only for the length of the original warranty.

Before any product is sent to service, the customer should contact the UVAIRx Service Center to obtain a Return Merchandise Authorization (RMA) Number. The RMA Number should be clearly written on the box before shipping.

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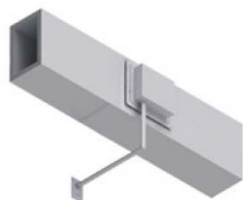
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CHANGING THE PCO CELL



WARNING: UV Light in operation. Disconnect the unit from power supply before servicing. Failure to follow warnings may result in severe eye damage.

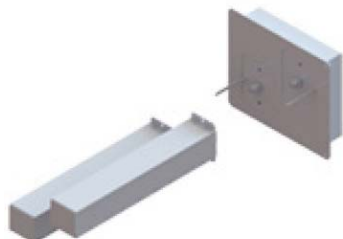
1. Remove the Unit Power Cable from the receptacle or ensure the unit isn't powered.



2. Remove the (4) Brass Thumb Nuts from the Unit Cover and remove the Unit Cover and PCO Cells.



3. Remove the (4) Screws holding the PCO Cells in place



and remove the PCO Cells from the Unit Cover.

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ABOUT UVAIRx IN DUCT TECHNOLOGY

UVAIRx models are designed to improve indoor air quality by dealing with pollutants in a proactive way. UVAIRx Ux210 is installed in the duct system and provides aggressive ionized oxidizers that are distributed throughout the home or office. These oxidizers destroy pollutants which include mold, bacteria, viruses, odors and volatile organic compounds (VOCs) at their source in the air and on surfaces. While these PCO oxidizers are very aggressive in destroying pollutants, they are entirely safe for human living spaces. Family and / or employees will enjoy fresh, clean air knowing that they are protected from the harmful germs, bacteria and other pollutants that can cause discomfort and illness. The Ux510 works the same way but is hung from the ceiling.

Main Features

- PCO (Photo-Catalytic Oxidation Attacks and Destroys VOCs, Odors, Mold, Bacteria and Viruses)
- Safe for Humans and Animals
- Distributes Oxidation Evenly throughout the Environment Using Ducts
- Keeps Duct Systems Free from Mold and Bacteria
- Attacks Pollutants in the Air and on Surfaces

Applications

UVAIRx Ux210 is Ideal for Offices, Schools, Day Care Facilities, Nursing Homes, Hospitals, Veterinary Clinics and Much More!

SPECIFICATIONS

Model: Ux210, Ux510

Coverage: 80,000 Cubic Feet; 160,000 Cubic Feet

Electrical: 38 Watts, 120-277 Volt, 50/60Hz

Dimensions: 11" W x 10" H x 17" D (including mounting plate),
4.1lbs.

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RECOMMENDED INSTALLATION TOOLS



A – 3.5" Hole Saw Bit

D – Utility Knife

B – 3/8" Drill Bit

E – Tin Snips

C – Drill / Power Driver

F – Phillips Head Screw Driver

INSTALLATION REQUIREMENTS

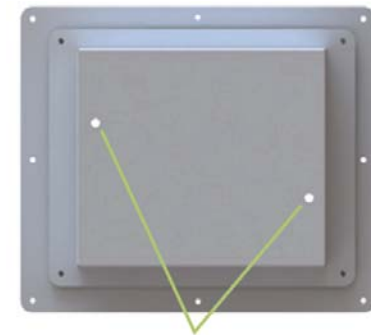
1. Unit should be installed downstream of the air handler in the HVAC system.
2. The ductwork around the installation area should be clean and dry to insure proper adhesion of the gasket materials and any tape used.
3. Two circular openings, measuring approximately 3.5" (8.89cm) each, will need to be cut into the existing duct work to install the unit properly.

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MAINTENANCE / UV LAMP INDICATOR

Your UVAIRx unit requires no periodic maintenance beyond replacement of the PCO cell every 3 years.

Note: For optimal performance, we recommend the replace of the PCO cell every 3 years, even if the UV lamp appears to be operating normally.



UV Lamp Indicator

The UV lamp operation indicator on the face of the unit will glow when the UV lamp is in use. If the indicator does not glow and the unit has power, the PCO Cell should be replaced.

DISPOSAL OF THE PCO CELL.

Please do not throw a used PCO Cell in the garbage. The special germicidal UVX bulb used in the Ux210 and Ux510 contain a very small amount of mercury. Contact your local



Waste Management Center for proper disposal procedure.

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ALTERNATIVE CUTTING METHOD

1. Using the Adhesive Gasket Plate, trace the hole locations onto the duct.



2. Drill holes around the outside edges of the previously marked holes but inside the outer holes of the Adhesive Gasket Plate.



3. Use the Tin Snips to cut out the space around the marked holes.



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ELECTRICAL REQUIREMENTS

To use the 120V plug, be sure to locate the unit within 6ft. of a standard 120V grounded outlet. Long term use of an extension cord is not recommended due to safety considerations.

HARDWARE REQUIREMENTS

Permanent wiring of the unit into your HVAC system or installations using a 220V plug (not included) should be done by a licensed HVAC Installer or Electrical Contractor only.

For 110V and 220V Applications: Black = L1, White = Neutral, Green = Ground
For International Applications: Brown = L1, Blue = L2, Green / Yellow Stripe = Ground



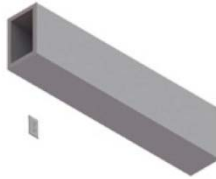
Ux510 INSTALLATION

1. Hang the Ux510 from the ceiling using chain or hanger that will support 39 pounds. Use holes in base of unit for hanging.
2. Electrical requirements are: 120 VAC, 60 Hz or 220 VAC, 50 Hz
3. Airflow is 262 cfm.

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Ux210 INSTALLATION

1. Find a suitable location to mount your Induct Unit



2. If necessary, cut away insulation for your plate to adhere to the duct.



3. Using the Adhesive Gasket Plate, trace the hole locations on the duct.



4. Use the Hole Saw and Drill to cut out the marked holes.

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Ux210 INSTALLATION (continued)

4. Remove the plastic backing on your Adhesive Gasket Plate.

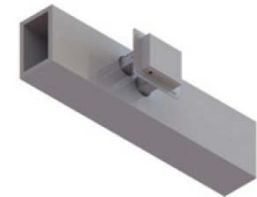


5. Press the Adhesive Gasket Plate onto the duct. Secure with the (8) Self-Tapping screws.

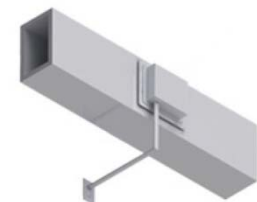
Note: For Fiberglass ducts, secure the Gasket Plate using the Toggle Bolt Anchors (not supplied) instead of Self-Tapping Screws



6. Place the Unit and Cells through the openings and secure with the (4) Brass Thumb Nuts.



7. Plug the Unit Power Cable into the receptacle of have a Licensed Electrician or HVAC Installer to



hardwire the Unit directly into the HVAC system.