



MAXIMIZE CLEAN AIR

SOLUTIONS

IN-DUCT UV/PCO AIR TREATMENT

DUO AIR TREATMENT SYSTEMS The Rheem In-Duct UV/PCO Air Treatment System combines photocatalytic oxidation and UVC light so indoor air is pure and fresh. A powerful UVC light brings the cleaning power of the sun into the home, reducing airborne bacteria, viruses, and fungi*. The PCO technology, neutralizes odors and VOCs; and carbon odor adsorption traps lingering odors. The American Society of Heating and Air Conditioning Engineers (ASHRAE) has addressed concerns of contagious viral disease transmission with recommended mitigation strategies that include dilution, fresh air ventilation, filtration, and UVGI.

*Demonstrated a >99% reduction of virus MS-2 bacteriophage in less than 10 minutes, >99% reduction of bacterium *Staphylococcus aureus* in less than 5 minutes, and >80% reduction of fungi *Aspergillus Niger* in 60 minutes.

What is PCO

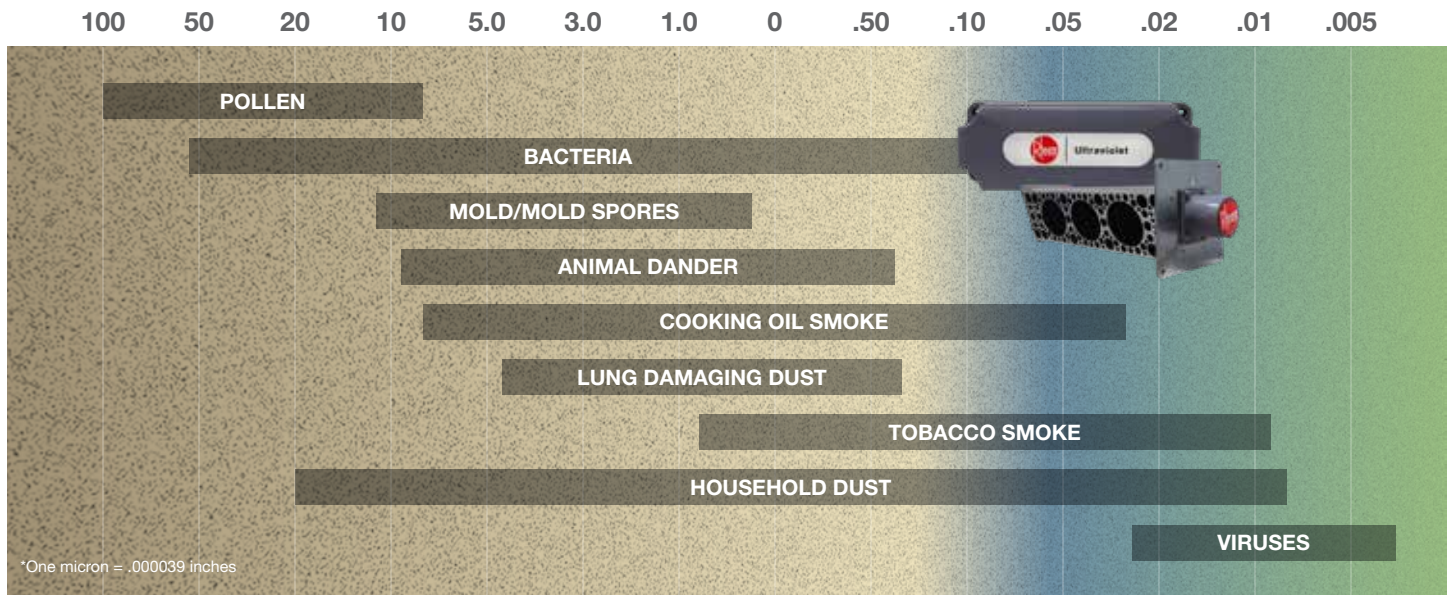
Photocatalytic Oxidation is a chemical reaction that utilizes a catalyst and a form of activation energy to break down complex and often toxic organic compounds into simple, safe molecules, namely carbon dioxide and water. A catalytic converter on an automobile is an example of this process to reduce smog. Toxic gasoline by-products that would contribute to smog are converted, under pressure and heat, into safe and breathable carbon dioxide and water vapor. PCO technology is effectively used in hospitals, airports, retail stores, casinos, commercial offices and homes.



REDUCE ODORS AND VOCS The Rheem In-Duct UV/PCO Air Treatment System is an ultra-high intensity UVGI solution with more exposure in the treatment zone to quickly reduce germs. Plus, a PCO process breaks down complex toxic organic compounds and chemicals into harmless carbon dioxide and microscopic water vapors. The PCO core is maintenance-free and never needs replacing. It can be installed over the coil, in the return, or in the supply duct of any HVAC system.

PERFORMANCE AND APPLICATION

Indoor Air Pollution Particle Sizes (in microns*)



PARTICULATES
Dust, Smoke, Pollen,
Pet Dander, Dust Mites

GASES
VOCs, Smoke,
Gas Molecules,
Odors, Toxins

GERMS
Bacteria, Viruses,
Fungi, Pathogens,
Allergens

The combination of the Media Air Cleaner, UV/PCO technology, and UV Air Purifier effectively reduces all three types of pollution each time the central fan begins to move air through the HVAC system.

IN-DUCT UV/PCO AIR TREATMENT SYSTEM

- Powerful UVC light
- Photocatalytic oxidation (PCO) technology
- Compatible with existing duct work
- Virtually maintenance free
- Easy to install
- 10-year limited warranty (lamp: 90 days)

Part Number	RXAQ-AP26N0	RXAQ-AP46N0
Min. Duct Width inches	16	16
Sizing tons	1.5 – 5.0	1.5 – 5.0
Voltage	120	24
Lamp Wattage	30	30
Lamp intensity W/cm ² @ 1m	62	62
Lamp Life	2 years	2 years
Static Pressure in wc	.02	.02
Replacement Lamp	54-109479-02	54-109479-02
Limited Warranty	10 year	10 year

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In keeping with its policy of continuous progress and improvement, Rheem reserves the right to make changes without notice.

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