



MAXIMIZE CLEAN AIR

SOLUTIONS

IN-DUCT UV AIR TREATMENT

ULTRAVIOLET TREATMENT SYSTEMS Breathe cleaner air with a Rheem Ultraviolet Treatment System. For improved air quality in the home, install a Rheem UVC Treatment System to work along side Rheem central heating and cooling systems. A Rheem total home comfort solution will make the air in the home cleaner and comfortable. By using UVC lamps, virus, bacteria, and fungi* are reduced and prevented from being re-circulated to the air. For cleaner air...trust an Ultraviolet Treatment System from Rheem.

How Does It Work

Rheem In-Duct UV Air Cleaners use the energy from a high-intensity UVC lamp to reduce microorganisms* in indoor air as they cycle through the HVAC system.

Mounted inside the ductwork, the UV air cleaner reduces virus, bacteria, and fungi* as they flow through the treatment zone. UV's effectiveness is directly related to the microorganism's exposure time. Indoor air in a typical residential HVAC system will be recirculated 75-150 times a day. While UV air cleaners reduce airborne germs, they can also keep coils clean. Coils are in moist, dark places, the perfect breeding ground for microbiologicals and toxic biofilm that releases germs into the air each time the system cycles. When a UV lamp is placed near the coil, it keeps the coil clean, allowing the AC system to run efficiently, which saves on energy costs, reduces maintenance, and extends the life of the equipment.

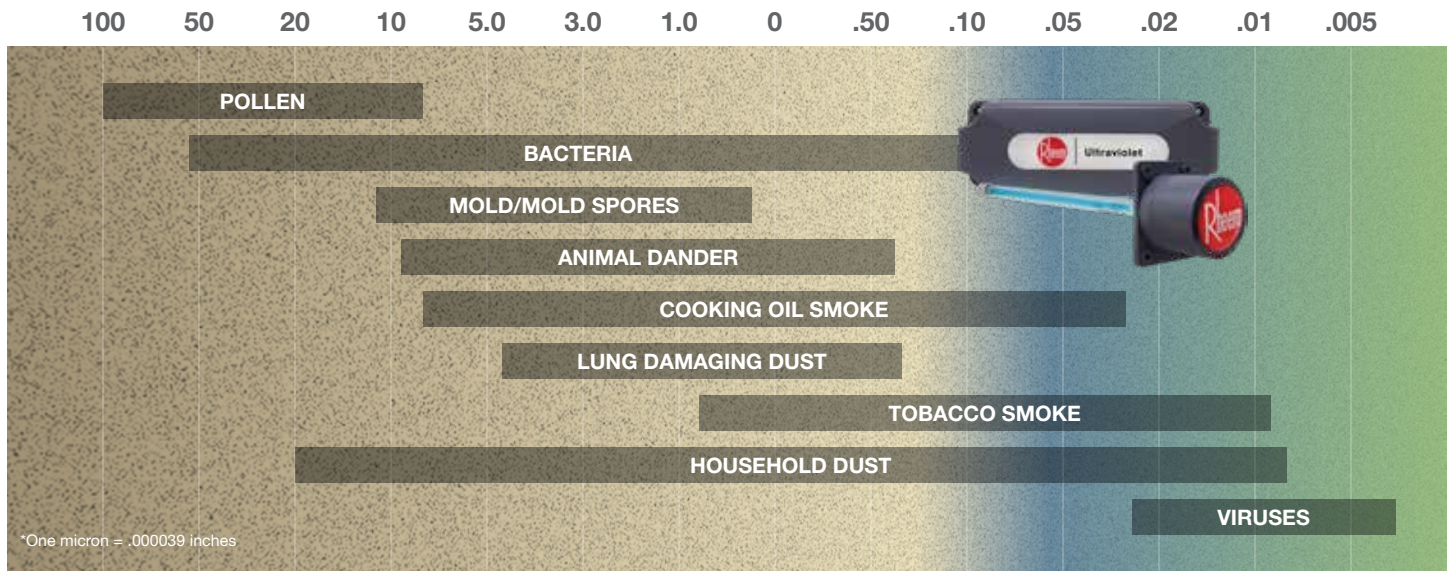


*Demonstrated a >99% reduction of virus MS-2 bacteriophage in less than 10 minutes, >99% reduction of bacterium Staphylococcus aureus in less than 5 minutes, and >80% reduction of fungi Aspergillus Niger in 60 minutes.

REDUCE AIRBORNE BACTERIA, VIRUSES, AND FUNGI UVC damages an organism's DNA and reduces its ability to replicate*. As indoor air circulates through the duct system, it is consistently bathed in UV light as it passes through the treatment zone. Based on the design of the central air system, each molecule of air will pass over the lamp 75-150 times a day. Independent lab tests indicate that UV lights have a significant and cumulative effect on the concentration of airborne germs in the home. Efficiency will not be the same for all viruses, bacteria, and fungi since each organism requires different exposure times at the same UV output energy level.

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 treatment effectively reduces all three types of pollution each time the central fan begins to move air through the HVAC system.

IN-DUCT UV AIR PURIFICATION SYSTEM

- Compact lamp head design
- Built-in twist lock safety switch
- Easy lamp replacement
- Ballast and power head pre-wired. External ballast mounted separately for installation flexibility.
- 10-year limited warranty (lamp: 90 days)

Part Number	RXAQ-AV26N0	RXAQ-AV46N0
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
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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Rheem Parts Division
4744 Island Ford Road, Randleman, NC 27317
336.495.6800 • 336.495.6897 fax • www.rheemparts.com



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