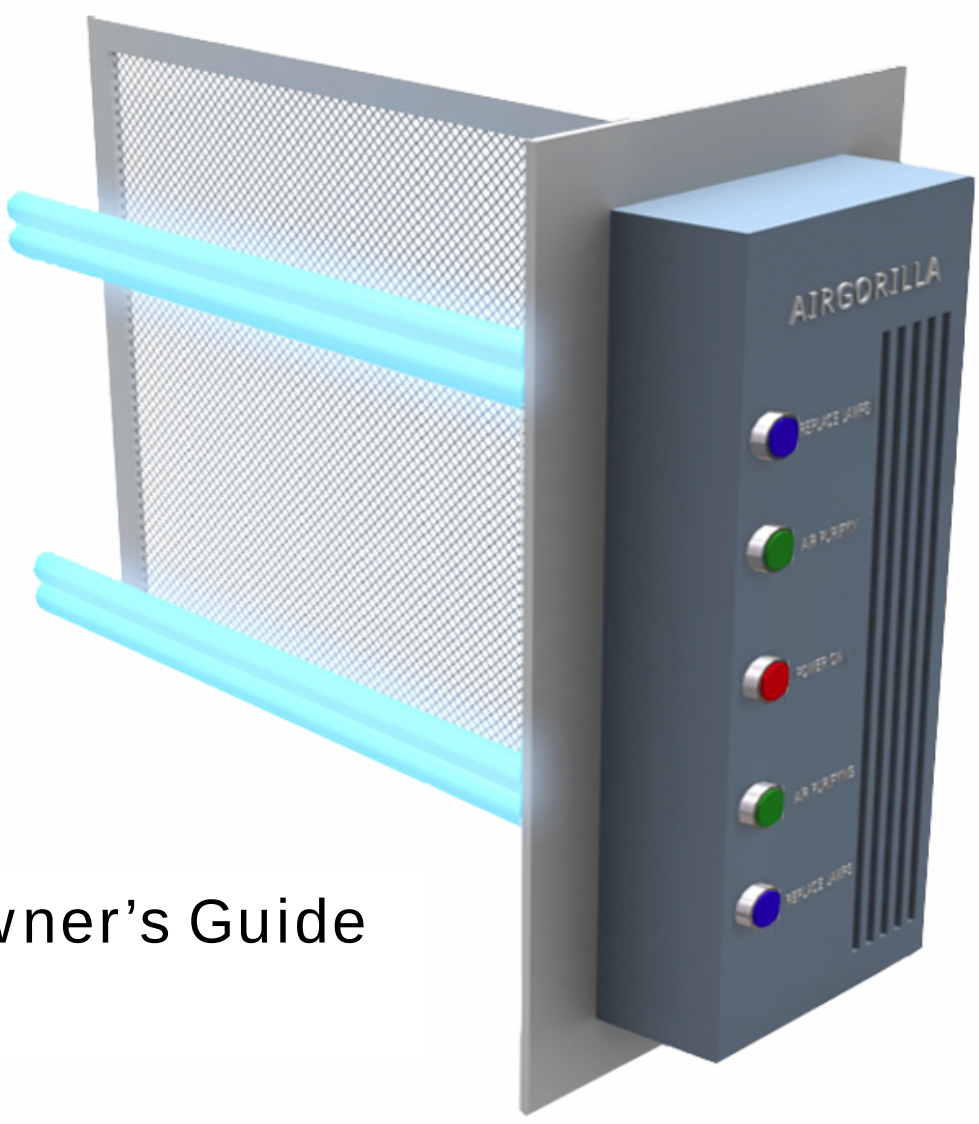
AirGorilla
Powerful Air Purifying

PCO/UV N-Duct™ Model



Owner's Guide

THE FACTS ABOUT INDOOR AIR QUALITY

The EPA has concluded that most of our exposure to toxic chemicals, harmful biologicals and allergens occurs not in the outdoor environments, as we might assume, but in the indoor environment, where we spend over 90% of our time. In a way, this is good news. We have more power over the environment in our homes and businesses than we do on the outdoor environment.

It is well established that indoor air pollution can be the result of occupational exposures, hobby, recreational or cleaning chemicals, renovations, mold in damp areas, stored papers, books, and clothing, out-gassing, dust collection and microorganism growth in carpets and furnishings, and from poor building ventilation or contamination. The control of these pollutants is extremely important because of the long term detrimental effect they can have on human health. Common symptoms resulting from poor indoor air quality include: headaches, fatigue, eye irritations, asthma attacks, breathing problems, dizziness, memory loss, depression, skin irritations, sinus infections, colds, flu and viruses. Even with no noticeable symptoms, however, exposure to even low levels of contaminants can increase an individual's sensitivity to the substance and potentially lead to long term health problems.

AIR PURIFYING IS TOUGH BUSINESS

Cleaning the air of the vast myriad of harmful contaminants is a tough and challenging job. It's certainly nothing a single air cleaning technology can handle. It is important advanced yet well proven air cleaning methods be combined to produce synergistic purifying affects. What would be even better is if these air cleaning technologies were improved and made even more powerful and effective. And that's exactly what Air Gorilla has accomplished – providing products that are more powerful and more effective, plus added another important characteristic - installer, user, and service friendliness.

THE HVAC SYSTEM AND INDOOR AIR QUALITY

The heating, cooling and ventilation system in a home or business is of crucial importance in providing clean, pure air to occupants. HVAC systems not only distribute air contaminants but often are the source of harmful indoor pollutants. AirGorilla has developed an array of powerful air purifying products for HVAC systems that utilize state-of-the-art technologies and provide dramatic improvement in indoor air quality.

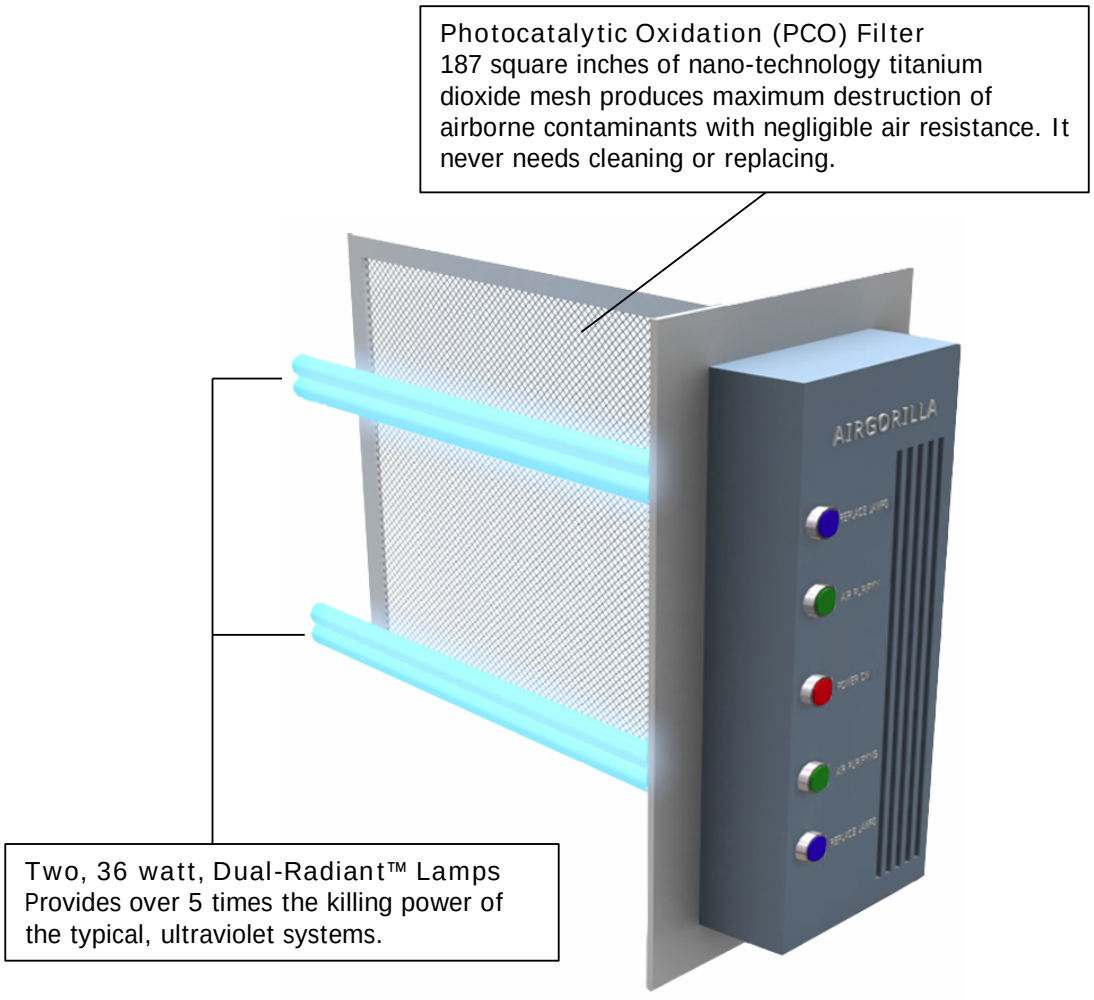
WHY DO PEOPLE CHOOSE AIRGORILLA PRODUCTS?

It is simple, really. People want products that work. They want harmful contaminants out of their air. They want advanced, powerful technologies that truly provide a safe, healthy indoor environment for their families, employees, or customers. AirGorilla's powerful technologies are unsurpassed in their range of applications, and allow AirGorilla to provide products and solutions that meet or exceed the expectations of our customers.

HOW DOES THE PCO/UV N-DUCT™ UNIT WORK?

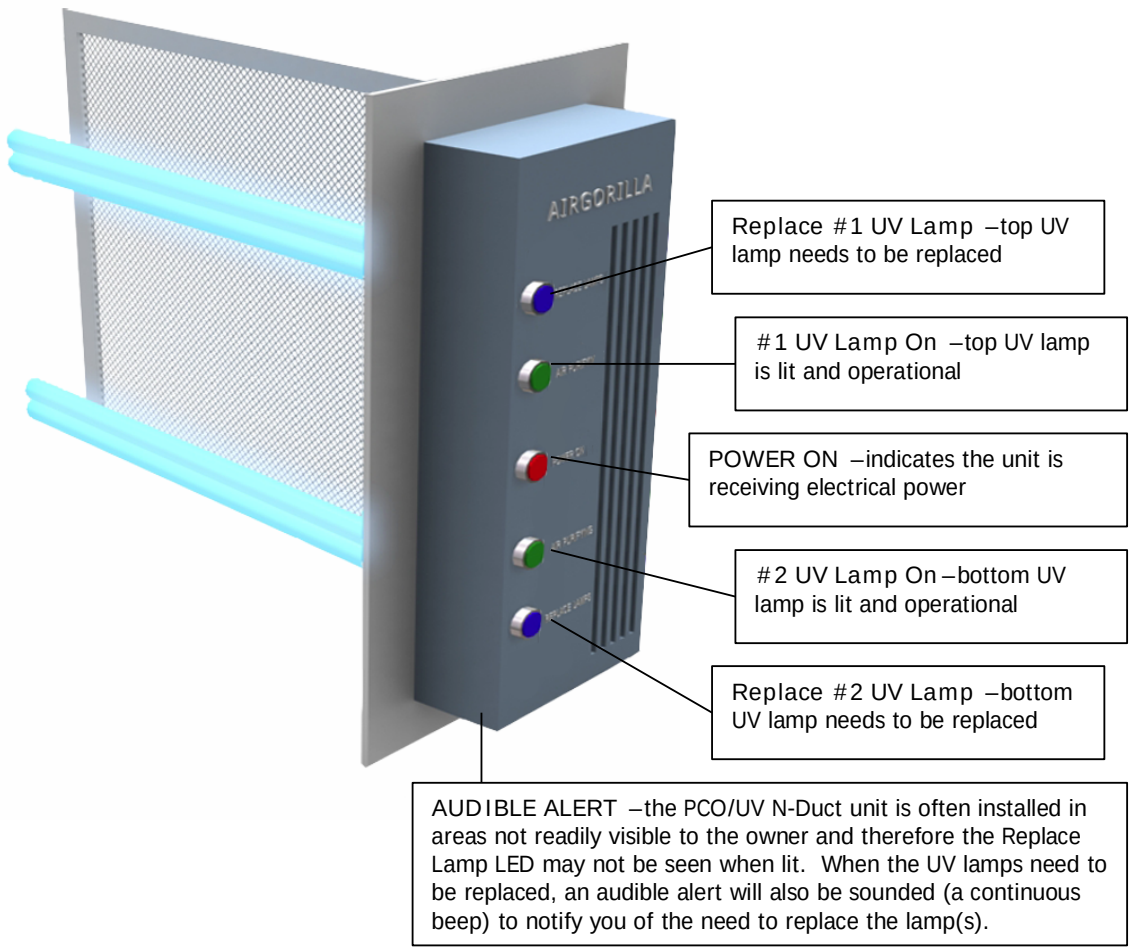
AirGorilla™ combines the power of two highly regarded contaminant fighting technologies - ultraviolet light and PCO (photocatalytic oxidation). While these two methods have been well proven to successfully reduce airborne pollutants, AirGorilla™ has developed a way to make them even more powerful, dramatically improving their performance. The enhanced power provides far greater contaminant destruction and results in significantly improved indoor air quality.

Your service company has installed the PCO/UV N-Duct™ unit in the air duct of your home or business. The PCO/UV N-Duct™ utilizes two, Dual-Radiant™ germicidal ultraviolet lamps that produce a total of 210 microwatts of contaminant killing power (measured at 1 mtr.). In addition, the UV lamps illuminate a unique photocatalytic filter of nano-technology titanium dioxide that provides higher levels of destruction and on a broader range of contaminants. As air circulates through your air duct system and passes the PCO/UV N-Duct™ unit, these powerful technologies destroy airborne bacteria, mold, fungi, viruses, volatile organic compounds (VOC's) & odors.



OPERATIONAL DISPLAY PANEL

AirGorilla's innovative Display Panel reports with large, bright LEDs the operation status of all the important functions of the unit.



ULTRAVIOLET LAMP LIFE

Like all light bulbs, UV lamps have a life span. Unlike regular light bulbs, however, UV lamps loose their effectiveness over time. Typically, after 9000 hours of use (approximately 1 yr.), the lamps do not produce enough ultraviolet germicidal irradiation to be effective. However, even after this time, the lamps usually do not burn out, but stay lit. This is often confusing to owners, but the lamps simply no longer produce the intensity necessary to be effective in improving or maintaining indoor air quality and must be replaced. It should also be noted that some ultraviolet lamps burn out prematurely and do not last the full 9000 guaranteed hours. AirGorilla's visual and audible reminders of when the UV lamps need to be replaced (or if they have burned out) help ensure you are receiving the full benefit and effectiveness of the PCO/UV N-Duct's™ advanced air cleaning technologies.

REPLACING THE ULTRAVIOLET LAMPS

WARNING

Electrical Shock –Your PCO/UV N-Duct™ system has been installed by your service company and has been wired or plugged into 110 –220 VAC electrical power (we suggest you contact your service company for all service work).

Ultraviolet Light is Harmful –Never look at a lit ultraviolet lamp without UV protective glasses and skin coverings. Unplug the lamp before servicing.

Ultraviolet Lamp May Cause Injury –Ultraviolet lamps are made of glass and therefore somewhat fragile. Safety glasses and gloves should be worn when handling a UV lamp. In addition, UV lamps can be very hot and cause skin burns. Allow lamp to cool before handling.

Steps for Replacing the Ultraviolet Lamps:

1. READ THE WARNINGS ABOVE.
2. If the unit is plugged into an AC outlet, simply unplug it before servicing the UV lamps.
3. Open the Display Panel door. The Display Panel door is connected to a kill switch that disables power inside the unit when the door is opened.
4. The unit contains 2 UV lamps. The base of the UV lamps (white in color) are visible on the left side of the enclosure. Attached to each lamp base is a white socket with wires leading to the power supplies that are housed to the right (separately enclosed). Pull the lamp socket off the UV lamp base.
5. Each lamp base is held in a cavity by two swivel clamps. Simply swivel them out of the way. Grab the lamp base and pull it toward you gently. The lamps are held snug so a little force may be necessary to pull them out. The lamps are 16" long.
6. Install new, replacement lamps (AirGorilla #DR36-1).
    a. Make sure lamp is clean –use alcohol wipe to remove dirt and fingerprints.
    b. Insert UV lamp into cavity.
    c. Turn swivel clamps over lamp base to hold secure.
    d. Attach lamp socket (align holes in socket to lamp base pins).
7. Push the "Reset" button next to the lamp (there is a reset button for each lamp) that restarts the 9000 hour timer.
8. Close the Display Panel door. Plug in the power cord if applicable. Within a few seconds, the LED lights that indicate POWER ON and AIR PURIFYING should be lit (not the REPLACE LAMP LED).
9. If the correct LEDs are not lit, reopen the Display Panel door and make sure the lamp socket is attached fully to the lamp base pins, then make sure the Display Panel door is closed completely. If the LED lights are still not lit, contact the service company that originally installed the unit.

When a UV lamp has passed its useful life (9000 hrs.) or has burned out prematurely, an audible "beep" alert can be heard. If you wish to stop the beep sound before you replace the UV lamp, push the reset button next to the lamp (do not forget to push the reset button again once a new lamp is installed), or open the Display Panel door which disables power inside the unit.

LIMITED LIFETIME WARRANTY

AirGorilla Corporation warrants this unit to be free from defects in material and workmanship under normal use and service, for as long as it is owned by the original purchaser. This warranty does not cover expendable components with limited life such as the UV lamps (1 yr. warranty, prorated replacement cost) and ballasts (3 yr. warranty, prorated replacement cost).

This warranty does not cover damage caused by handling, shipment, negligence, misuse, cosmetic damage, acts of God, connection to improper voltage, improper maintenance, or abuse. AirGorilla Corporation is not responsible for the installation of this product. This warranty does not cover faulty installation or damage to personal property resulting from incorrect or faulty installation. The warranty does not cover the cost of removal or reinstallation of the unit or the cost of return shipping to the manufacturer.

AirGorilla Corporation's exclusive obligation under this warranty shall be to supply, without charge, a replacement for any covered component that is found to be defective within the parameters defined herein. AirGorilla Corporation reserves the right to replace or repair the defective part or component.

AirGorilla Corporation shall not be liable for any loss or damage of any kind, including any incidental or consequential damages resulting, directly or indirectly, from any breach of warranty, express or implied, or any other failure of this product. The manufacturer's maximum liability shall not exceed the actual purchase price paid for the product. The warranties set forth herein are exclusive and AirGorilla Corporation expressly disclaims all other warranties, whether written or oral, implied or statutory, including but not limited to any warranties of merchantability, workmanship, or fitness for a particular use. This warranty does not obligate AirGorilla Corporation for any labor costs and shall not apply to defects in workmanship or materials furnished by the installer.

If you have a warranty claim, contact the company from which you purchased the product. Proof of original purchase and proof of identity as to being the original purchaser is required. Product or parts are not to be returned without factory issued Return Authorization number issued by AirGorilla Corporation.