

PuriFi Product Details

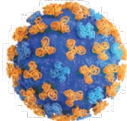





PuriFi: The Science of Real-Time Air and Surface Purification

Patented technology protects your home and family's safety by eliminating up to 99.99% of tested viruses, allergens, odors, and bacteria in occupied environments.*

- PuriFi is a whole-home ionization air purification system that is installed directly into the central AC systems ductwork.
- One PuriFi device is required for each HVAC/duct system on the home.*
- PuriFi treats the systems entire air-conditioned space, unlike stationary plug-in models that only protect small areas of a room.
- PuriFi is great for those who suffer from immune deficiencies, allergies, asthma, and COPD.
- You can monitor and control the PuriFi system from a smart phone, computer or tablet.
- PuriFi is the only system that monitors indoor air quality 24/7 and actively responds in real time to manage your indoor air quality.
- PuriFi generates 4200 volts of naturally occurring and non-harmful positive and negatively charged ions.
- PuriFi uses an indoor sensor that detects indoor particulate counts, allowing the system to respond in real time when particulate counts go above your preferred setting.
- No Ozone - The PuriFi system uses a patented technology to oxidize harmful ozone particulates turning them to fresh breathable air.
- PuriFi is designed to work for residential and commercial applications.*
- PuriFi turns on and off with AC and heating systems. You can also set the fan to ON or CIRCULATE for operate without ac and heating being on. In addition, the system automatically turns on the blower based on sensor readings.
- Allow 1-2 hours for installation.
- Maintenance requirements - PuriFi uses a catalyst cartridge that needs to be replaced every 2 to 3 years at an average cost of \$195.

What Does PuriFi Protect Against?

	Biological Agents Tested Viruses, Bacteria, and Mold Spores*
	Allergens Airborne Particulates, including particulate sizes such as Pollen, Pet Dander, Dust, Lint, and Dust Mites*
	Odors Pets, Smoke, Mildew, Mold, Cooking, Sports, and Fabrics
	Toxic Chemicals Breaks down VOCs emitted from items such as Cleaning Products, Disinfecting Agents, Paints, Pesticides, Solvents, and Varnishes

How Does Ionization Work?

PuriFi's bi-polar cold plasma ionization technology generates both positive and negative ions using the same process of ionization found in nature. The air purifying ions are distributed through the supply ducts to all conditioned spaces.

Benefits of Ions: *Positive and negative ions have equally beneficial effects.*

Positive (+) ions clump airborne dust particles together so the air filter captures particles that would otherwise pass through or become too heavy to stay airborne and drop out of the breathing zone.

Negative (-) ions attack pathogens, such as corona viruses and staph bacteria, damaging the structures on the pathogens, so they are no longer infectious.

What Makes PuriFi Unique?

1. Strength and Duration of PuriFi Ions

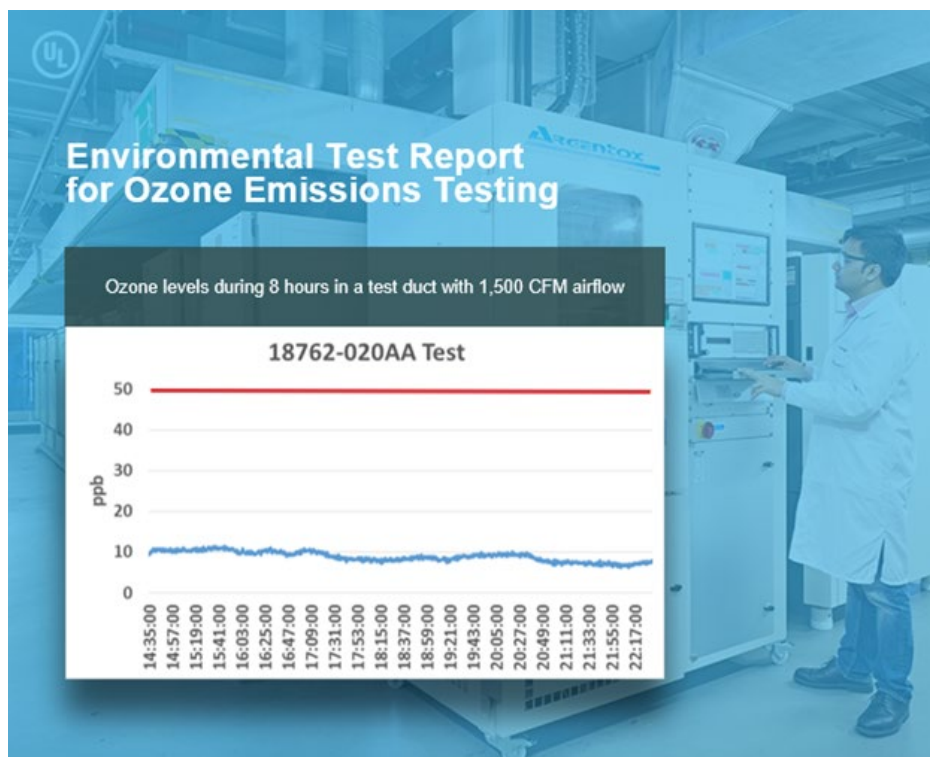
The concentration or number of ions created along with their power or strength are based on the volts applied while generating the ions. PuriFi uses an exclusive and patented wave pattern technology that creates significantly more (-) Ions than other ion air purifiers. PuriFi produces 4,200 volts to create positive and negatively charge, non-harmful ionized particles as compared to the 17 volts used by other leading competitors. Meanwhile the amount of electricity used during the device's operation are almost identical.

2. Intelligent/smart indoor air quality monitor/sensor with real time response

PuriFi uses an exclusive and patented particulate sensor that detects changes in indoor air quality, activating a response in real time. When the particulate levels in your home rise above an acceptable level, the device will activate automatically and PuriFi the air in your home and keep particulate counts at an acceptable level.




3. No Ozone

PuriFi uses an exclusive and patented Catalyst/Corona tube process that coverts harmful Ozone to Oxygen. PuriFi™ is UL listed as an Air duct mounted accessory (ABQK), under sections 1995 (Heating and Cooling equipment) and 867 (Electrostatic Air Cleaners). PuriFi has also taken additional (unprecedented) steps to have PuriFi's total ozone output independently verified by UL. Ozone concentrations > 50 ppb are considered unsafe by the EPA and many other resources boards. PuriFi never exceeded 11 ppb of ozone production and averaged less than 10 ppb in 8 hours of continuous testing.



What's Included with the Purchase of a PuriFi System?

The PuriFi system comes complete with **three** major components: the PuriFi Generator, PuriFi air quality sensor, and PuriFi smart hub. (Wiring harness, installation manual, operation manual and consumer warranty registration also included).

	<p>1. The PuriFi Generator</p> <p>When particulate levels are too high the PuriFi PM Sensor activates the patented PuriFi Generator. The Generator, which is installed in your central HVAC system, uses our patented process to begin sending an overabundance of natural oxygen ions through all of your air ducts. PuriFi uses a patented blend of high energy, oxygen ions flood every room and begin the purification process. Every register in your home or business becomes an air and surface purification system.</p> <ul style="list-style-type: none"> • Natural ion generating air purification • Oxidizes tested viruses, bacteria, and household germs* • Reduces airborne particulates such as PM1, PM2.5, and PM10* • Patented PuriFi O₂ Catalyst reduces unwanted ozone* • Reduced particulate levels are proven with in-room PuriFi laser particle counters
	<p>2. PuriFi PM Sensor</p> <p>The PuriFi PM Sensor detects changes in indoor air quality, activating a response in real-time. The PuriFi Air Quality Sensor provides real-time feedback to the PuriFi Smart Hub, signaling the patented PuriFi Generator to respond to air quality changes. This laser particle counter can measure particles down to 0.3 micron in size or 1/118,100" in diameter. When the PM Sensor detects that particle levels are too high, based on user-determined thresholds, the Generator is notified, and the system operates until the Sensor verifies that your air is clean and healthy again.</p> <ul style="list-style-type: none"> • Proprietary Patented Technology • Continuously monitors indoor air and responds to changes real-time • Measure's particulates down to 0.3 micron in size or 1/118,100" in diameter • 2-Year Limited Warranty
	<p>3. PuriFi Smart Hub</p> <p>The Smart Hub immediately signals a response to changes in indoor air quality. When a change in your indoor air quality is detected, the Sensor notifies the Smart Hub, and the patented Generator is signaled to respond—all in real-time. The system then operates to destroy the pollutants until the Sensor verifies that your air is clean again. The Smart Hub then signals the Generator to enter standby mode. The Smart Hub is compatible with popular digital assistants including Amazon Alexa and Google Assistant, as well as standard smart home protocols including Zigbee, Z-Wave, Lutron, LAN, and cloud-connected home automation devices. The Smart Hub is covered by a 2-Year Limited Warranty.</p>

Frequently Asked Questions

How does the PuriFi Generator install?

The 8.5" W x 7.3" H x 14" D in-duct unit installs into the existing air duct path on the supply side of your central HVAC system. It connects to your blower fan only.

How long does it take to install?

Most installations take approximately 20-50 minutes for the Generator and another 15-45 minutes for the PM Sensor and the Smart Hub.

What is the maintenance for this type of system?

Simple. You only need to replace the PuriFi O₂ Catalyst every two years. A notification reminder will be sent to you when it's time to replace.

Will I need to replace my HVAC air filters more often?

Yes, you will want to change your HVAC air filters more often since our natural ionization process will make your air filters more effective.

What if I have more than one HVAC system in my home?

Depending on the size of your home or business, you may have more than one HVAC system. Since this patented air purification technology uses the airflow from your HVAC fan, your application may require additional units. Each HVAC system will need one PuriFi system. For example, if your home or business has two HVAC systems, then you will need two units. If your home or business has one HVAC system, then you will need one unit. A PuriFi Generator installed in each Air Handling Unit (AHU) ensures the entire occupied space is receiving clean and healthy air. Multiple unit installations are available.

Does the PuriFi System release ozone into my home or building?

No. The PuriFi Generator removes unwanted ozone to a completely safe level by means of the proprietary PuriFi O₂ Catalyst. The Catalyst captures ozone molecules while allowing the super-oxide ions to pass through. This gives you the powerful effect of air purification without the negative side effect of ozone. The system has been tested and proven safe by Underwriters Laboratories (UL).

Is this technology similar to UV?

No. UV can protect your coils and HVAC system but does not work on airflow in the duct due to the lack of reaction time to effectively eliminate contaminants. With our in-duct technology and through your home's airflow, you blanket every room with ions attacking the contaminants at the source. Every vent in your home becomes its own air purification system.

Do I need WIFI to run the system?

No. Our system runs on a private Zigbee radio network. WIFI is only needed if you want to utilize the detailed data the system provides.

How much energy does the system use?

The system creates strong ion-clusters to remove contaminants and pathogens from every corner of your home, and consumes less electricity than a 20-watt lightbulb.

Does PuriFi qualify as an eligible healthcare expense?

PuriFi may be eligible for reimbursement with flexible spending accounts (FSA), health savings accounts (HSA), and health reimbursement accounts (HRA). Check with your healthcare provider to see if you qualify.

Where can I get more information?

View promotions, product details and more at [Insert Website Here](#)

Warranty Information

LIMITED WARRANTY: The Dealer accepts PURIFI's warranty that PURIFI will, at its option, repair, replace or provide replacement parts in the event any Product manufactured by the PURIFI and used in the United States or Canada which upon inspection it finds to be defective in material or workmanship as follows: (1) Generator for a period of sixty (60) months from initial startup or sixty-six (66) months from date of shipment, whichever expires sooner; (2) Generator Core Assembly for a period of twenty-four (24) months from initial startup or thirty (30) months from date of shipment, whichever expires sooner; (3) Sensor for a period of twenty-four (24) months from initial startup or thirty (30) months from date of shipment, whichever expires sooner; (4) Smart Hub for a period of twenty-four (24) months from initial startup or thirty (30) months from date of shipment, whichever expires sooner; provided, Buyer complies with all maintenance requirements and provides written notice to PURIFI within a reasonable time after discovery. Products not manufactured by PURIFI but also sold under this agreement are not warranted by Company and/or PURIFI, but are sold only with the express warranty, if any, of the manufacturer and only to the extent transferable.

What Does This Warranty Cover?

We warrant the PuriFi system to the Customer, subject to the conditions below, against defects in workmanship or material, provided that the products are returned to a service location within five (5) years of the date of purchase.

Installation & Maintenance Requirements

This warranty is expressly conditioned upon proper installation, operation, cleaning, and maintenance according to this Owner's Manual. Failure to meet any of these requirements will void this warranty. Servicing of the PuriFi system by parties other than our authorized representatives and/or using parts other than genuine parts will also void this warranty.

What Doesn't This Warranty Cover?

Ordinary wear and tear shall not be considered a defect in workmanship or material. These warranties do not apply for loss or damage caused by accident, fire, abuse, misuse, improper installation, leaking, modification, misapplication, or by any repairs other than those provided by our authorized Service Center. This Warranty is non-transferrable.

Product Specifications

Physical Dimensions (Maximum) – H x W x D (Body only)	12 x 8.5 x 14 inches (305 x 216 x 356 mm) – with Antenna 7.3 x 7.5 x 3.8 inches (185 x 191 x 97 mm)
Weight including Mounting Bracket	5.0 pounds (2.3 kg)
Housing Material	Aluminum 5052
Mounting Bracket Material	Aluminum 5052
Maximum Ambient Temperature	200° F (93° C)
Maximum Operating Temperature	150° F (66° C)
Input Voltage	90 VAC – 265 VAC; 50 or 60 HZ; NEMA 15 Receptacle
Input Current Protection	1A @ 120VAC, 1A @ 220VAC
Current Draw	0.10 – 0.25 Amps @ 120 VAC
Power Consumption (Ionizing Mode)	14 – 20 Watts
Power Consumption (Ozone Depletion Mode)	3 – 5 Watts
Effective Area (Volume)	2500 square feet (20,000 cubic feet)
Air Flow Volume (Min – Max)	Residential (400 CFM – 2000 CFM), Commercial (1200 CFM – 4000 CFM)
Ionization Plasma Tube	Proprietary (Borosilicate Glass; Stainless Steel; Aluminum)
Ozone Control Feature	Limits Ozone (O3) Output to less than 0.03 ppm (30 ppb)
High Voltage (HV) Transformer Output	5 – 7 kVAC
Safety Features (Access)	Door Interlock Switch, Special Access Key
Safety Features (Operation)	Fan Monitoring (RPM), Current Monitoring of HV Transformer
Safety Features (Temperature)	Unit will turn off if internal temperature exceeds 150° F (66° C)
Wireless Capability	2.4 GHz ZigBee 802.15.4 Standard

*Lab tests confirm that PuriFi eliminates 99.9% of coronavirus surrogates from the air in less than 10 minutes.

Test results are based on aerosol testing of Cystovirus Phi6 and surface testing of active Coronavirus 229E. While PuriFi eliminates 99.9% of airborne coronavirus surrogates, there is currently no way to universally prevent coronavirus infections. PuriFi Labs encourages following hygiene guidelines in the manner suggested by government authorities.

