



Frequently Asked Questions

What is ultraviolet light?

Ultraviolet germicidal light (UV-C) is a wavelength of light in the 254 nm range that is effective in mold, bacteria and virus control. UV-C has been used since 1936 in many different applications, notably: water treatment, hospitals, laboratories, aquariums, meat packing plants, dairies, and more.

What is photo-catalytic oxidation?

The photo-catalytic oxidation process in Second Wind Air Purifiers is created using high-energy ultraviolet light and a catalyst. When the ultraviolet light shines on the catalyst a reaction takes place and releases an oxygen and hydrogen molecule, called hydroxyl radicals. These hydroxyl radicals aid in the reduction of odors, fumes, and gas phase contaminants.

How does the Second Wind Air Purifiers patented process work?

Second Wind Air Purifiers use ultraviolet germicidal light and photo-catalytic oxidation to address indoor air pollution. A Second Wind Air Purifier can reduce mold, bacteria, viruses, odors and off-gases in indoor air.

Why do I need Second Wind if I already have a filter?

A filter will address the particulate in the air, but does not have an effect on molds, bacteria, odors and off-gases. The World Health Organization and CDC break indoor air contamination into three categories. Particulates, the dust and dirt introduced into the air, are what a filter will remove. Bioaerosols, living microorganisms like mold, bacteria and viruses, can be addressed with ultraviolet germicidal light disinfection. Volatile Organic Compounds, like odors, fumes and off-gases can be neutralized using photo-catalytic oxidation. Second Wind Air Purifiers can enhance an existing filter by addressing things the filter will miss. Our model 9000 can address all three indoor air contaminants, particulates, bioaerosols and volatile organic compounds.

Are Second Wind Air Purifiers safe?

Second Wind Air Purifiers have been tested independently, by universities, and privately, to prove their effectiveness. They also have various listings:

- Class II medical device
- Registered with the EPA
- UL/CUL listed

What kind of maintenance can I expect?

The lamps will have to be replaced every 2 years by a qualified HVAC professional. The unit is virtually maintenance-free between replacements.

How is a Second Wind Air Purifier different from other ultraviolet units?

Second Wind units use a high intensity ultraviolet germicidal lamp using 2/3 more UV output than standard UV lamps. Second Wind units also use photo-catalytic oxidation to reduce odors and off-gases. Second Wind uses high output ballasts designed specifically for the UV lamps. Second Wind understands that the proper ballast design also ensures optimal performance of the lamp/ballast combination.

Can a Second Wind Air purifier help to reduce allergens or asthma triggers?

Yes, Second Wind Air Purifiers help to reduce dirt, dust, mold, bacteria, odors and off-gases. There are tens of thousands of people who have purchased a unit and benefited by the clean indoor air they have received.

What are the costs to operate an air purifier?

A Second Wind Air Purifier will pay for itself within a few months with better health and increased efficiency. A residential air purifier costs pennies a day to operate, using no more energy than a 40 to 75 watt bulb. A commercial air purifier would use more energy, depending on the unit.

Does the unit need to run 24 hours a day, 7 days a week?

In order to address any indoor air quality concerns in a home the fan needs to run. If the air in your ducts does not pass through a filter, across an air purifier, and mix with a humidifier or outside air, it cannot be cleaned. The fan in your home does not have to run all the time, but it is recommended.

What is Second Wind's warranty?

Second Wind residential units have a limited lifetime warranty on the unit and on the ballast, and a one-year warranty on the lamp.

Second Wind commercial units have a limited lifetime warranty on the unit, three-year warranty on the ballast, and a one-year warranty on the lamp.

Does Second Wind have any test data from independent sources?

In-home testing, independent testing, university testing, and field trials continuously evaluate Second Wind units.