Vollara Air & Surface Pro XL

Did you know that each of us consumes more air every day than anything else in the world? It's true. We each breathe in over 3,000 gallons of air every day. And don't we all want to breathe pure, fresh air? Unfortunately the air outside can be bad, and indoors where we spend most of our time, the air can be much worse. In fact according to the Environmental Protection Agency (EPA), indoor air levels of many pollutants may be 2-5 times, and sometimes, more than 100 times higher than outdoor levels. Without some method of control, airborne contaminants can be breathed in or eventually settle on exposed surfaces. But whether you suffer from allergies or not, there is something you can do about it. Vollara Air & Surface Pro XL combines nature-based processes into one unique, proven, active technology system that helps clean the air you breathe and the surfaces you touch, without the use of ozone.

2017 Space Technology Hall of Fame Inductee

About Indoor Air

One alarmingly simple fact to consider: if you don't use an air purifier, you are the air purifier. The EPA says the average adult breathes over 3,000 gallons of air each day and spends a significant amount of time, up to 90%, indoors. The Asthma and Allergy Foundation of America (AAFA) reports that one in four Americans currently suffer from asthma and allergies. And while the human respiratory system has several built-in defenses to prevent substances from entering the lungs, utilizing air purification to remove or reduce the amount of airborne pollution in the breathing space can potentially ease the burden of contamination in the body and help maintain overall wellness. Those common household airborne pollutants can potentially include:

- Dust which is generally comprised of dead skin, dust mites and dust mite feces, insect parts, and more.
- Smoke emanating from tobacco, wood-burning fireplaces, fuel-burning heaters, and cooking.
- Chemicals from spray cleaners, perfumed deodorizers, carpets, and other building materials.
- Various microscopic bacteria and viruses.

All of these will continue to be of concern as modern building methods and the energy efficiency improvements of retrofitting existing structures continue to seal pollutants within indoor spaces. Such buildings tend to have decreased ventilation rates, higher concentrations of indoor-emitted pollutants, and more occupants reporting health problems.

Dust Mites

It has been reported that up to 80% of U.S. homes have large dust mite infestations, which may not be surprising considering as many as 40,000 dust mites can live in a single ounce of dust. These pests are second only to pollen in causing allergic reactions, mostly from airborne dust mite feces, ranging from itchy noses and eyes to severe asthma attacks. Along with keeping a low relative humidity between 30 – 50%, one of the most obvious methods of controlling dust mites may be to just reduce the amount of dust. An air purifier that works to continuously remove particulate from the air, combined with a thorough cleaning regimen that includes vacuuming can be an effective, simple strategy to minimize the aggravations of airborne dust.

Exposed Surfaces

Contamination on surfaces isn't limited to visible dust - there are numerous other types of contaminants that generally get spread where people live. Whether from sneezing and coughing or just everyday handling, door knobs, counter tops, and almost any exposed surface can become a potential staging ground. It's also interesting to note that, by legal definition, disinfectants must be capable of reducing the level of pathogenic bacteria by 99.999% during a time frame of less than 10 minutes. Yet, as widely accepted as chemical disinfectants are, they may have little or no effect once removed from a surface due to lack of contact exposure. Because of this, some type of surface contaminant reduction between cleanings or disinfection may be desirable and beneficial as part of a regular regimen.

*These results have not been evaluated by the FDA. This product is not a medical device intended to diagnose, treat, cure, or prevent any disease. No claim with respect to contaminants is made based on these results. Field results may vary based on environmental conditions.

About ActivePure® Technology

Indoor air quality is important to sustaining your health; however, sometimes the air in your own home may be harmful to you and your loved ones. In light of the COVID-19 pandemic and instances of highly contaminated air, we understand there is an increased concern over exposure to microbes, allergens, air pollutants and VOC gases. There is good concern to be worried. Not only can allergens be an annoyance, but they may increase your chances of complications when exposed to pathogens.

Vollara has products that improve indoor air quality (IAQ) by utilizing ActivePure® Technology. What separates ActivePure® Technology from traditional air purification systems is that it not only reduces dust and stale odors, but products Powered by ActivePure® Technology have been proven to neutralize many common pathogens in the air and on surfaces in indoor environments. In fact, ActivePure® Technology is in a class above traditional techniques as it is the only air cleaning technology that not only helped to pioneer the Space Age, but has been awarded the prestigious Certified Space Technology seal by the Space Foundation – one of only 75 companies to ever receive this award.

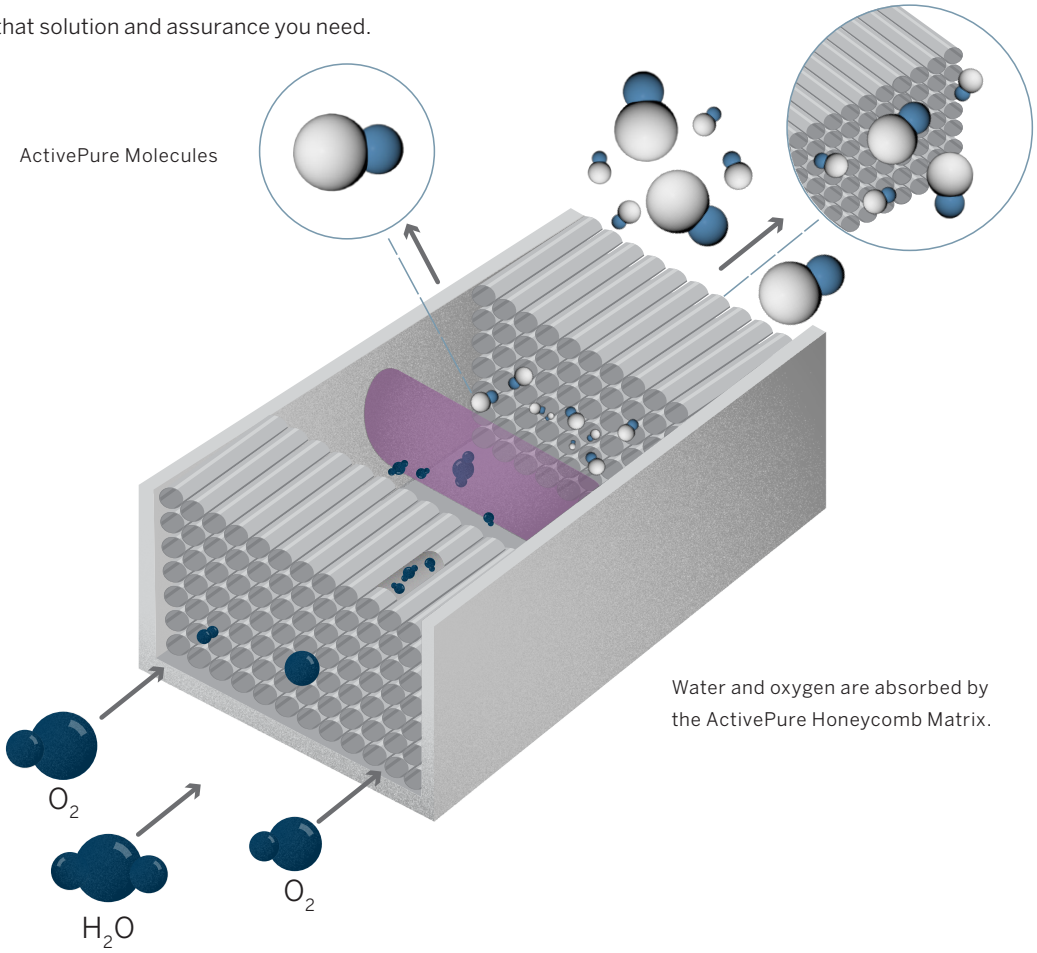
In the post-pandemic world, our informed customers want to be safeguarded against these threats and they know that a trustworthy indoor environment starts with clean indoor air. Vollara can provide that solution and assurance you need.

ActivePure® Technology: Bringing the Cleansing Power of the Sun Inside

In nature, the sun supplies UV radiation that breaks down O2 (oxygen) and H2O (water) molecules by a process called photocatalysis. This process breaks down and eradicates harmful chemicals and pathogens, creating fresh air outdoors.

ActivePure® Technology works indoors, invoking a similar method: Advanced Photocatalysis. When microscopic oxygen and water molecules enter the air purification unit, they pass through a honeycomb matrix that stimulates these molecules, creating new cleaning molecules.

As these active molecules are dispersed into the environment, they come in contact with bacteria, viruses, molds, and odor-causing contaminants, effectively neutralizing them by stripping away their protective coating at the molecular level. Within minutes of use, ActivePure® Technology can reduce up to 99.9% of pathogens in the environment, allowing you to rest easy.



Water and oxygen are absorbed by the ActivePure Honeycomb Matrix.

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Who Should Use

Without exception, everyone breathes, so it's really a matter of having the knowledge and understanding of what else is being absorbed from the air when it is inhaled. And, unlike other purifiers, Vollara Air & Surface Pro XL controls surface contaminants that can affect your health. Vollara Air & Surface Pro XL is suitable for anyone concerned about indoor air quality and surface contaminants with the desire to provide a healthier indoor living environment using nature-based, proven technologies that are both convenient and cost effective.

Frequently Asked Questions

- *How does Vollara Air & Surface Pro XL work?*

  Five nature-based technologies including short wave UVC light, positive and negative ionization, RF ionization, and proprietary ActivePure® Technology are combined in one system to very effectively reduce dust and particulate, smoke, odors, and surface contaminants in the indoor environment.

- *What is environmental conditioning?*

  Because Vollara Air & Surface Pro XL treats interior exposed surfaces as well as indoor air, it doesn't fit into the category of an air purifier only. The term "environmental conditioning" more accurately describes the overall effect of the active technologies within the living area.

- *Is Vollara Air & Surface Pro XL loud like a lot of air filtration machines?*

  The loudness of an air purifier (measured in decibels) depends on the fan operating speed, and personal noise tolerance. In some situations, a high fan setting may be somewhat more effective; however fan speed of the Vollara Air & Surface Pro XL generally can be adjusted to your preference without adversely affecting overall performance, especially when using ceiling fans or operating an HVAC system.

- *How long should the Vollara Air & Surface Pro XL run?*

  For best results, it is recommended to continuously run the Vollara Air & Surface Pro XL. This allows constant treatment for particle removal and reduction of contaminants on surfaces.

- *Where should I place Vollara Air & Surface Pro XL?*

  Place the Vollara Air & Surface Pro XL in your home, in as high a place as is feasible. By doing so, you'll get the most benefit from the clustering effect of ionization and maximum dispersion of ActivePure® properties of the Vollara Air & Surface Pro XL.

- *What is the expected coverage?*

  The Vollara Air & Surface Pro XL is designed to cover up to 3,500 sq. ft. (325 m^2) depending on occupant density and other factors[1]. High density commercial not to exceed 750 sq. ft. (69.7m^2).

- *How do I know when to clean the unit?*

  A notification will appear on the display as a reminder to clean the rear lint screen, and to vacuum the ActivePure® Cell and top and rear grills. This is a good sign and lets you know how much the Vollara Air & Surface Pro XL is helping you and your family.

Unique Features of Vollara Air & Surface Pro XL

- The two 7-inch ActivePure Cells are larger and more powerful in helping to reduce up to 99.9% of many surface and airborne contaminants faster
- A redesigned air tunnel with increased airflow
- Greater Coverage Area of up to 3,500 sq. ft.
- A True HEPA Filter for better filtration and removal of at least 99.97% of dust, pollen, mold, bacteria, and any airborne particles with a size of 0.3 microns
- Both ActivePure Cells are always functioning when the unit is on, giving ActivePure purification and decontamination day and night
- Optional ionization feature assists with particulate removal and can help in the efficiency of the HEPA filtration
- Unit will automatically reset and function at the most recent setting when power is restored after a power failure
- Maintenance Reminders to clean and replace filters and cells – keeps unit running efficiently and effectively

Warnings

- The unit should always have unrestricted airflow.
- When operating a central heating and air conditioning fan, set the coverage up to the total ventilated indoor area. Otherwise, set the coverage up to the size of the room.
- Point the unit toward the center of the room for maximum dispersion of ions.
- Do not look directly at the glowing lamp. Prolonged exposure, even to reflected UV light, can cause eye damage according to the American Conference of Governmental Industrial Hygienists (ACGIH) Standards.

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Specifications

Model	**Vollara Air & Surface Pro XL** **00772 Model : B1040C (ozone-free)** **Meets California ozone emissions limit.** **CARB Certified.**
Technology Included	ActivePure® Technology – (2) 7” cells HEPA Filter Activated Carbon Filter Optional Ionization
Electrical	Input Voltage: 100~240 VAC; 50/60 Hz External Power Supply; DC 24 Volts; 3 Amps Max Power Consumption: 56 Watts Max.
Mechanical	Nominal Airflow Rate: 40–110 CFM Adjustable Fan Speed
Safety	Conforms to UL 867.
Weight	10.4 lbs (4.72 kg)
Dimensions	14.17” H x 11.7” W x 12” D (35.9 cm x 29.7 cm x 30.5 cm)
Operating Temperature	34° F – 100° F (-1°C – 38°C)
Noise Level	45 dB(A) (on low); 57 dB(A) (on high)
Coverage	Up to 3,500 sq. ft. (325 m²) depending on occupant density and other factors. High density commercial not to exceed 750 sq. ft. (69.7 m²).
Warranty	Limited Three Year Warranty

1. Recommended ceiling height to not exceed 10 feet. Solutions should be customized based upon a variety of factors including HVAC system capabilities and settings, air flows taking into account walls, air pressure, and doors, ambient air temperatures and humidities, variable density, known VOC concentrations, and other layers of protection.

For more testing information on Vollara Air & Surface Pro XL and overall ActivePure testing results, please visit vollara.activepure.com/scientific-proof or scan this QR code.

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