

Placement Instructions

Placement of Puraclenz units in your facility is very important to optimize overall performance.

More than nearly any other factor, the location of Puraclenz units can impact their efficacy.

Ions can travel a long distance

Puraclenz ions will travel away from your unit but will be absorbed as they move.

Ion density will decrease from your unit due to factors included in the Puraclenz Unit Calculator.

Puraclenz ions cannot travel through walls or other solid surfaces.

Place your unit in the most central space in your facility.

Ions will break down with people in a space.

Ion levels will decrease during high-traffic times, but Puraclenz technology is designed to replenish ions faster than existing PCO device. Continually high human occupation in a space may require additional Puraclenz units to be installed.

Closed doors severely impede the flow of Puraclenz ions.

Keep doors open as much as possible (overnight is acceptable) for optimal coverage.

Keep your unit at a manageable height.

In areas with extremely high ceilings (over 12') place your Puraclenz unit 4'-10' above the floor, rather than very high up. This will give better coverage and make servicing easier.

Use your HVAC to your advantage.

Place your Puraclenz unit near the output of your air registers rather than at an air intake. HVAC outputs can benefit your Puraclenz unit by helping move ions through the facility.

Puraclenz technology is designed to operate 24/7.

Please connect Puraclenz units to power outlets that are turned on at all times.

Switched outlets, automatic timers, and other situations that may turn off power supply to the Puraclenz unit are not recommended.

Areas with dramatic environmental changes can still be protected by Puraclenz technology.

Places where many people assemble at one time (churches,, movie theaters, etc.) will see a drop in the amount of ionization when people come in, but the ionization will steadily rebound over time. Puraclenz technology will also continually clean the space after everyone has left, ensuring the space is treated before people come in again.

For more information, please contact your distributor

THIS MACHINE IS INTENDED FOR INDOOR USE ONLY.

Installation FAQs

How do Puraclenz units keep my environment safe?

The driving factor behind Puraclenz technology is an abundance of Multi-Clustered Ions in the environment. These ions are air molecules with an electrical charge; they are not heavier or lighter than standard air. The goal is to have even ion coverage throughout the entire space you are seeking to protect.

Where in my facility should I place my Puraclenz unit(s)?

Puraclenz units should be spaced evenly throughout your space, in areas where people spend the most time, and in the most open areas of your space. Units can be placed on a table or floor, or mounted on the wall or ceiling.

Because ions share many characteristics with the movement of heat, the easiest way to visualize where you should put multiple units is to figure out where would be the best place to put the same number of space heaters. The ions will act very similar to how heat is dispersed, ensuring even coverage for your Puraclenz units.

How do open windows and exterior doors impact Puraclenz technology?

Some ions will escape through windows and doors, but it is not a significant factor in most situations. If a door or window is open to the outside for extended periods, it will reduce the coverage area of Puraclenz technology.

What impact do closed interior doors and other closed spaces have on efficiency of Puraclenz technology?

Ions cannot travel through doors or walls but will seep through cracks at a slower rate than an open space.

What impact do common materials have on Puraclenz technology?

Puraclenz ions are broken down by anything with a slight electrical charge. This includes humans, plants, and animals (none of which will be harmed) as well as mold spores, bacteria, and viruses (which will be destroyed). Additionally, any other part of the environment that carries a static charge will absorb some amount of ionization until the static charge is depleted; this includes most plastics, loose-weave carpet, foam products, and many synthetic materials. If there is a very high amount of static-conducting material in the space, additional coverage may be recommended.

My space has _____ in it. How does that impact Puraclenz technology?

Puraclenz units are rated to cover a specified volume of indoor space with standard indoor characteristics (office or home use). Some environments have factors that may impact the coverage of the Puraclenz unit:

- An extreme amount of static-conductive material (Gyms, gymnastic flooring, plastic tarp dividers, exposed foam insulation, plastic or acrylic walls [such as a greenhouse]) will reduce the coverage area of Puraclenz technology.
 - A very high amount of biological load (animal boarding facilities, mold growth, indoor growhouses, dirt floors, or certain laboratory settings) will reduce the coverage area of Puraclenz technology.
 - An above-average amount of airflow commercial kitchens with vent hoods, extremely powerful exhaust fans, etc.) will reduce the coverage area of Puraclenz technology.
 - A very closed-concept building with many closed-off areas will reduce the coverage area of Puraclenz technology. If possible, leave doors open at night to give Puraclenz technology the opportunity to fill the space with ionization and clean the environment overnight.
 - A swimming pool or other open source of water will not have a negative impact on Puraclenz technology, but the additional biological load associated with bodies of water may reduce the coverage area of your unit. Puraclenz technology will not inhibit growth or kill pathogens in the water. Do not place your Puraclenz unit in any place that can fall into a body of water.
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