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AIR DISINFECTION IN HEALTHCARE FACILITIES

BIPOLAR IONIZATION

Disinfecting the indoor air and surfaces in senior living and other healthcare facilities

In the past, improving indoor air quality was often thought as a luxury.
Now it needs to be considered as essential.

AIRIONEX offers products for a comprehensive indoor air quality solution for senior living and other healthcare facilities where residents, patients and staff are exposed to airborne pathogens and pollutants.

The VARIONIX Bipolar Ionization System has been proven to ELIMINATE the Coronavirus, other viruses, microbes, and allergens at a molecular level. The ions also are breaking down odors and contaminants at their source, and bond to dust and mold particles taking them away from the air we breathe. The system continuously disinfects the air and surfaces, offering another layer of protection against the virus, and ensuring the safest, most sanitized space for your patients and staff. Without a doubt, bipolar ionization technology is the BEST OPTION AVAILABLE to protect against the Coronavirus.

WHAT IS BIPOLAR IONIZATION

At the core of the Varionix system is bipolar ionization technology. The system utilizes specialized integrated tubes that converts oxygen molecules into charged atoms (positive and negative). As airflow passes through the tubes, the bipolar ion clusters that are created and delivered to indoor air, attach to and deactivate harmful substances like bacteria, mold, allergens, and viruses. In the case of a virus such as the Coronavirus, the bipolar ion clusters destroy the virus surface structure on a molecular level, killing it completely.

MICROBIOLOGICAL CONTAMINATION

Independent studies have shown that bipolar ionization is extremely effective at destroying airborne biological contamination. In general, most coronaviruses spread in the same manner as other cold-causing viruses: via aerosols directly (infected people coughing, sneezing) or indirect contact (touching a contaminated surface, then touching your nose, eyes, or mouth).

Since the virus is spread via direct and indirect contact, the continuous application of bipolar ions emitted to ambient air by the Varionix bipolar air cleaning system ceaselessly disinfects both the breathing space and surfaces. It is the most effective system for keeping indoor air clean and sanitized.

BENEFITS OF BIPOLAR IONIZATION

- ✓ Bipolar ions break the cell membrane surface of bacteria and viruses, and eliminate airborne contaminants.
- ✓ Bipolar ions bond with contaminants such as mold and dust particles, causing them to gain mass and drop to the floor, or return to the filter, making them easily cleaned from the air we breathe.
- ✓ Bipolar ions break down toxic gasses and compounds from dangerous chemicals such as cleaning products, pesticides, paints, solvents, mold, mildew and more.
- ✓ Bipolar ions break down odors at their source and eliminate them – no masking or diluting!
- ✓ When the odors and contaminants are removed from the indoor air with our technology, it is possible to recycle conditioned, purified air. This will reduce the need of cooling or warming the ambient air and saves a great amount of money.
- ✓ And the AIRIONEX Varionix Bipolar Ionization System is a safe, natural and environmentally friendly process. Our patented technology uses no chemicals, heavy metals or mercury, and produces no harmful by-products.



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