



411 Rowland Ave  
CA, 92707 Santa Ana  
Phone: (714) 949 7352  
[www.airionex.com](http://www.airionex.com)

## AIR QUALITY AND DISINFECTION IN HOSPITALITY INDUSTRY

# BIPOLAR IONIZATION

### TAKING CARE OF VIRUSES, GERMS, ODORS, CHEMICALS, AND TOBACCO SMOKE

As America prepares to reopen restaurants, hotels, and other workplaces after shelter-in-place restrictions, many are wondering how to keep their facilities safe for employees as well for customers. In the past, improving indoor air quality was often viewed as a luxury. Now it needs to be viewed as essential.

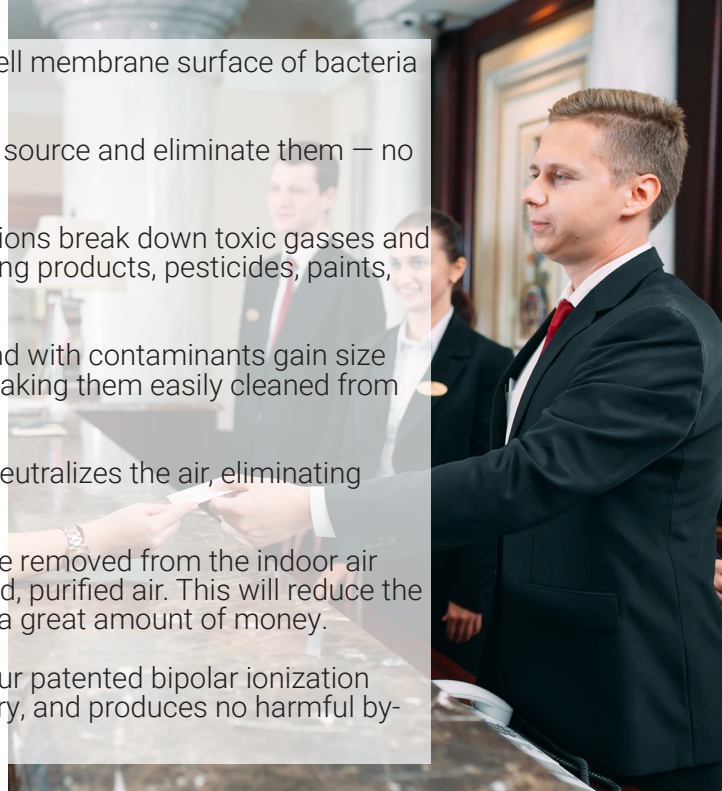
The VARIONIX Bipolar Ionization System has been proven to ELIMINATE the Coronavirus, other viruses, microbes, and allergens at a molecular level. The ions also bond to dust and mold particles, breaking down odors and contaminants at their source. The system continuously disinfects the air and surfaces,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

There is probably not a hotel or restaurant where there are no air problems. Even with a well-designed conventional air conditioning system, it's hard to keep cooking odors from the restaurant areas. Even in the kitchen itself it is not easy to master odors. Secondary containment for kitchen wastes are also at greatest cleanliness a base of bad odors. Bacteria, particularly stachrophyle germs (bacteria living in cold areas) threaten any stockpiling of food, even in cold rooms. This is not just a question of hygiene.

Smoking areas are an abomination for non-smokers. Cigarette and cigar smoke, despite of air ventilation, has been established in upholstery, carpets and decorations.

## BENEFITS OF BIPOLAR IONIZATION

- ✓ Reduced bacteria and viruses. Bipolar ions break the cell membrane surface of bacteria and viruses and eliminates the air born contaminants.
- ✓ Reduced odors. Bipolar ions break down odors at their source and eliminate them – no masking or diluting!
- ✓ Reduced VOCs (Volatile Organic Compounds). Bipolar ions break down toxic gasses and compounds from dangerous chemicals such as cleaning products, pesticides, paints, solvents, mold, mildew and more.
- ✓ Reduced dust and mold particles. Bipolar ions that bond with contaminants gain size and mass and drop to the floor, or return to the filter, making them easily cleaned from the air we breathe.
- ✓ Reduced static electricity. Bipolar ionization naturally neutralizes the air, eliminating static charges.
- ✓ Energy recovery. 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.
- ✓ A safe, natural and environmentally friendly process. Our patented bipolar ionization technology uses no chemicals, heavy metals or mercury, and produces no harmful by-products such as ozone or ultra-violet light.



## MICROBIOLOGICAL CONTAMINATION

Airionex offers products for a comprehensive indoor air quality solution for restaurants, hotels and other hospitality facilities where guests and staff are exposed to airborne pathogens and pollutants. Maintaining optimal indoor air quality in work place can reduce infection rates and allergies while boosting wellbeing and staff productivity.

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 continuously disinfects both the breathing space and surfaces. It is the most effective system for continuously cleaning and decontaminating indoor air. The continuous application of bipolar ions emitted to ambient air by the Varionix bipolar air cleaning system continuously disinfect both the breathing space and surfaces. It is the most effective system for continuously cleaning and decontaminating indoor air.

Varionix bipolar ionization technology is installed in thousands of commercial, institutional, and industrial buildings around the world. For over 10 years, Varionix have been providing safe, effective air purification solutions for restaurants, casinos, sports facilities, grocery and retail stores, airports, medical buildings, schools, wastewater treatment plants, and industrial and production sites.

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