

A Premier Air Purification Solutions Provider

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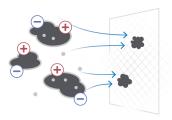
IMPROVE AIR QUALITY - MAKE YOUR WORK ENVIRONMENT SAFE Protect Your Team Members and Your Customers

Given these unprecedented times, you can act now by investing in a healthier work environment. Protect your customers. Protect your team members. Improve and increase your facility's air quality. Reduce or even eliminate airborne particles such as bacteria, virus cells, mold, allergens, odors, and volatile organic compounds (VOCs) by installing a Bipolar Ionization (BI) or Ultraviolet Light Germicidal Irradiation (UVGI) system within your HVAC system.

WHAT IS BIPOLAR IONIZATION (BI) AND HOW DOES IT WORK?

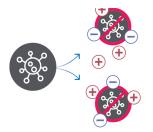
Much like sunlight does in the atmosphere, Bipolar Ionization technology produces a natural bio-climate rich in positive and negative ions. The negative ions contain an extra electron while the positive ions are missing an electron resulting in an unstable condition. In an effort to re-stabilize, these bipolar ions seek out atoms and molecules in the air to trade electrons with, effectively neutralizing particulate matter, bacteria and virus cells, odorous gases and aerosols, and VOCs.

Step One



Airborne particles are charged by the ions causing them to cluster and be caught in filters

Step Two



As they divide to reproduce, bacteria and virus cells bond with oxygen ions and are destroyed

Step Three



Odorous gases and aerosols oxidize on contact with oxygen ions and are neutralized

Step Four

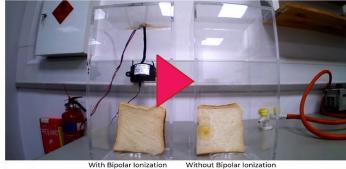






Oxygen ions cause a chemical reaction with VOCs breaking down their molecular structure

Mold Growth with and without Bipolar Ionization



Watch Bipolar Ionization prevent mold growth over six days in a controlled laboratory experiment

Benefits of Bipolar Ionization

• Energy Savings: Up to 30%

• Pressure Drop: Minor

• Particle Size: Small

• Treats Air in Room: Yes

• Treats Make-up Air: Yes

• Treats Supply Air: Yes

• Treats Return Air: Yes

• Treats Exhaust Air: Yes

• Capital Costs: Low

• Operation & Maintenance Costs: Low

• Energy Costs: Low

• Disposal Costs: None

Success Rates: 99%