

WHY IAQ MATTERS IN YOUR WORK ENVIRONMENT

1. Less Sick Time Means More Vacation Time

No one can be at full productivity while sick. Health issues in employees cause an increase in medical leaves and absenteeism, bringing down productive hours. With cleaner air, fewer sick days are taken, leaving more days for vacation time. Employees perform better and can use their vacation time for recharging versus battling illnesses.

3. Purifiers Are By Far The Most Effective Way To Clean Your Air

iWave's ionization technology works to reduce the particulate count inside wherever it's installed. It works to reduce particulate 2.5 microns and smaller. Inhalation of particulate pollutants, especially 2.5 microns (PM2.5) or smaller, has been linked to increased risk for a number of adverse health effects. iWave ionization creates a plasma region to help reduce the PM2.5 particulate count to provide healthier cleaner air inside the building.

Long-term exposure to elevated levels of PM2.5 is associated with premature death in older adults with heart or lung diseases, and reduced lung growth in children.

2. The "Use Outdoor Fresh Air" Approach Doesn't Work

ASHRAE states "The traditional means of dealing with IAQ is through ventilation with outdoor air, but this approach assumes that the outdoor air is cleaner than the indoor air. In many locations and for many contaminants, this is not the case, and insufficiently treated ventilation air can actually make IAQ worse." Filtration is needed to remove pollutants from the outside air to actually purify it.

4. Less Maintenance Than Other Options

Common air purification technologies require ongoing maintenance with bulb/cell replacement every year or two. They use UV light to kill bacteria, mold, etc.; however, it doesn't fully kill these pathogens nor does it treat actual particulate in the air stream. The constant bulb replacements and ongoing maintenance makes the cost and ownership of the product undesirable.

The best option economically, and quality wise, would be an ion generating purification system, like iWave. iWave air purifiers use needle-point bi-polar ionization to create equal amounts of positive and negative ions. The ions also attach to allergens, pollen, and other particles causing them to band together and be caught by your ventilation system's air filter or simply fall out of the air.



iWave





EMSL Labs, a laboratory rated as “Elite” by the Center for Disease Control, has tested the effectiveness of iWave™ products against the pathogens listed below. All testing was done in a large environmental chamber in an effort to simulate a home environment. The testing resulted in very high kill rates “in the space,” as shown below.



	STAPH	About 25% of people normally carry Staph in the nose, mouth or other areas of the body. The foot is also very prone to picking up bacteria from the floor.	STAPH – Reduced 96.24% after 30 minutes of iWave purification
	MRSA	MRSA is a Staph germ that does not get better with first-line antibiotics. Once the Staph germ enters the body, it can spread to bones, joints, blood or any organ.	MRSA – Reduced 96.24% after 30 minutes of iWave purification
	E.COLI	E. coli is commonly found in the lower intestine of warm-blooded organisms. Most E.coli strains are harmless, but some serotypes can cause serious food poisoning in humans.	E.COLI – Reduced 99.68% after 15 minutes of iWave purification
	CLOSTRIDIUM DIFFICILE (C.DIFF)	C.diff bacteria release toxins that can cause diarrhea, with abdominal pain that can become severe. In rare cases, this can progress to a life-threatening condition.	C.DIFF – Reduced 86.87% after 30 minutes of iWave purification
	TUBERCULOSIS (TB)	TB most commonly affects the lungs but also can involve almost any organ of the body. Tuberculosis can usually be treated successfully with antibiotics.	TB – Reduced 69.01% after 60 minutes of iWave purification
	AIRBORNE MOLD SPORES	Airborne mold spores are invisible to the eye, and they can easily flow through different areas of the home, especially through heating and cooling system ducts, causing allergic reactions, asthma episodes, eye irritations, sinus congestion and other respiratory problems.	AIRBORNE MOLD SPORES – Reduced 99.5% by iWave purification as tested by Green Clean Air.
	LEGIONELLA PNEUMOPHILA	Legionella outbreaks are associated with large or complex water systems like those found in hospitals, hotels and cruise ships. Symptoms include coughing, shortness of breath, muscle aches, headache and fever. Most make a full recovery, but the CDC reports 1 out of 10 people who get the disease will die from the infection.	LEGIONELLA PNEUMOPHILA – Reduced by 99.71% from a solid surface after 30 minutes of iWave purification

iWave vs. Other Market Options:

Benefit	iWave-R	iWave-C	UVPCO Ionizers	UV Light
Replacement Interval	NONE	NONE	EVERY 2 YEARS	ANNUALLY
Self-Cleaning	✓	✓	✗	✗
Kills Mold, Bacteria and Virus	✓	✓	✓	✓
Kills Pathogens in Space	✓	✓	✓	✗
Controls Odors	✓	✓	✓	✗
Reduces Particles in Air	✓	✓	POOR	✗
Universal Voltage (24VAC to 240VAC)	✓	✓	SOME MODELS	✗
Simple, Universal Mounting Design	✓	✓	✗	✗
Limited Three Year Warranty	✓	✓	✗	✗
Produces Detectable Ozone - an Irritant	✗	✗	✓	✗
Produces Other Harmful Byproducts	✗	✗	SOME MODELS	✗
Fragile/Contains Mercury	✗	✗	✓	✓
Contains Titanium Dioxide - A Respiratory Concern	✗	✗	SOME MODELS	✗