



IAQ Kentucky

INDOOR AIR QUALITY



OUR MISSION To improve health and wellness by actively restoring indoor air to its pure, natural state where no pollution or contaminants exist, while reducing energy use and emissions in the process.



WHY HEALTHIER WORKPLACES MATTER



“ Indoor air quality is one of the top five most urgent environmental risks to public health. ”



“Short-term exposure to fine particulate matter – the microscopic particles that pollute the air – increased hospital admissions for cardiovascular and respiratory disease among Medicare participants.”



“In indoor environments where the air is ‘always fresh,’ 65% of employees recorded only 0-3 sick days per year.”



THE ATMOSAIR ADVANTAGE

Put Well-Being At The Heart Of Your Building

Fact: 90% of our lives are spent indoors – and we are what we breathe. AtmosAir improves workplace productivity by creating an indoor environment where employees breathe cleaner, perform better, and feel fresher and more alert. Employees who reported the air in their office is “always fresh” were nearly four times more likely to report that their work environment is energizing.

Actively Recharging, Continuously Disinfecting The Air We Breathe

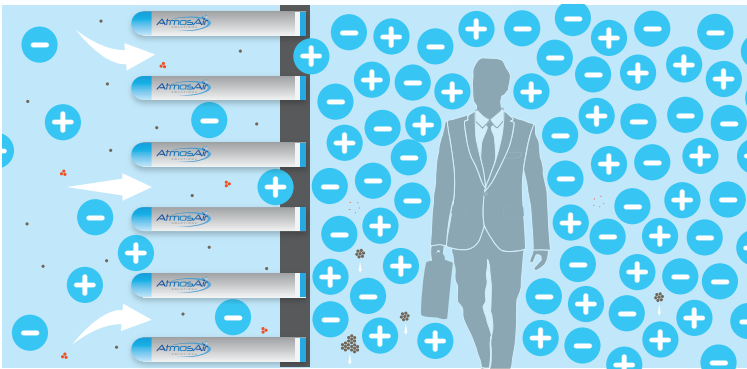
AtmosAir™ Solutions is the leading manufacturer of air purification systems using bi-polar ionization. AtmosAir's patented Bipolar Ionization technology™ has been rigorously tested and scientifically proven to be among the most effective solutions for comprehensive air purification of indoor environments.

Unlike most air purification systems, AtmosAir doesn't wait for pollutants to find their way into a filter via the return of the HVAC system or another air cleaning device. Instead, charged ions actively seek out and neutralize contaminants at their source throughout your indoor environment, mimicking the way nature cleanses the air outdoors.

The Result? AtmosAir removes inhalable particles and pathogens – including dust, allergens, molds, VOCs, odors, airborne and surface bacteria, viruses and germs – to create healthy indoor environments where people thrive, while doing it efficiently and cost effectively.

HOW IT WORKS

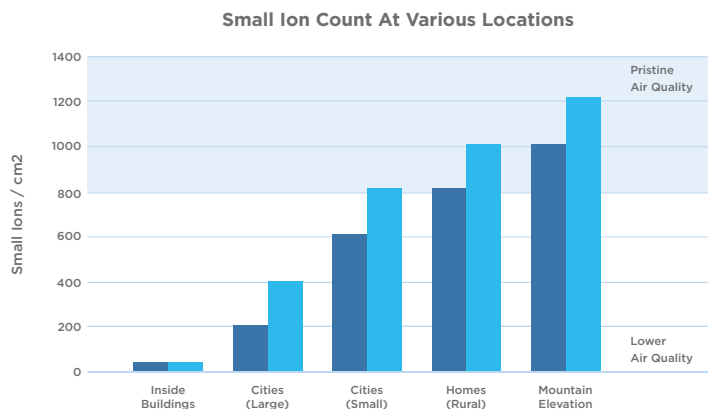
AtmosAir Continuous Disinfection™ Active Ionization Technology



The beauty of the AtmosAir system is how easily it integrates into existing commercial and residential HVAC systems. The system ensures all airflow passes across its patented bipolar ionization tubes to energize the air with positive and negative ions throughout all the spaces served by the HVAC duct system in an in-duct installation, or to the applicable space if a standalone unit is used.

Incoming air passes over AtmosAir tubes to charge oxygen molecules to create ions that actively cleanse air throughout the occupied space

Restoring Nature's Balance. Ions On A Mission.



Ionization is nature's air cleaning process. Ion levels are high in pristine natural settings but fall off in more populated and polluted environments. The positively and negatively charged ions generated by the AtmosAir system mimic the process that occurs in nature by attracting, binding, and neutralizing all types of pollutants found in indoor air.

Microbes, Pathogens, Molds, Particulates, Viruses, and VOCs - Eliminated.

Airborne molds, bacteria and viruses as well as off-gassed volatile organic compounds (VOCs), allergens and asthmagens make for a veritable cocktail of indoor pollutants. The AtmosAir system has been rated 'excellent' or 'good' at removing 2/3 of the most common indoor air quality contaminants, with a record of 99% proven microbial and pathogen reduction.

“ AtmosAir Removes From The Air Anything You Shouldn't Be Breathing ”



WHY IT'S BETTER

Improving Indoor Air At The Source. The Benefits Are Clear.



SOCIAL

- Healthier People
- Higher Productivity & Performance
- Corporate Reputation



ECONOMIC

- Reduced Illness & Absenteeism
- Increased Energy Savings

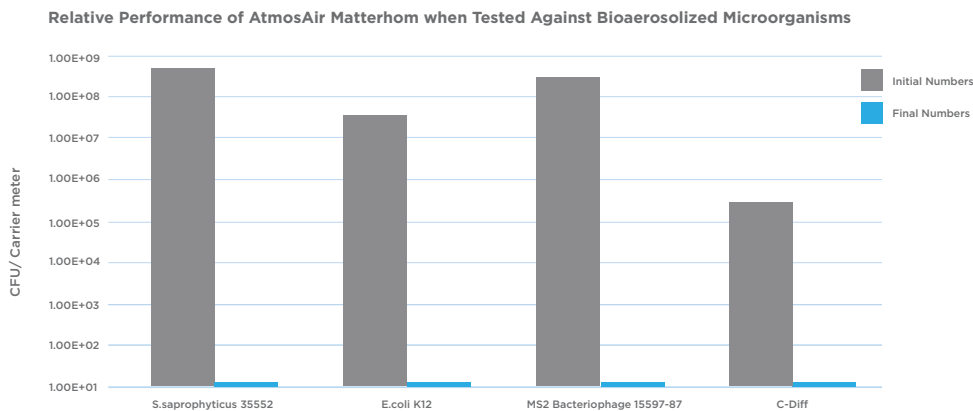


ENVIRONMENTAL

- Less Energy Consumption
- Reduced GHG Emissions

- ✓ Minimize HVAC system size by upwards of **15%**
- ✓ Remove up to **90%** of harmful VOCs
- ✓ Save up to **30%** on HVAC electrical costs
- ✓ Remove up to **95%** of ultra-fine particulates
- ✓ Enjoy a 3 year average pay-back on cost of installation
- ✓ Contributes to LEED and WELL Building Standards

99% Proven Microbial & Pathogen Reduction



Staphylococcus Saprophyticus, Escherichia coli, MS2 Bacteriophage and Clostridium Difficile were aerosolized in a test chamber and a control group and test group were studied. All four organisms showed a 99% reduction at the end of exposure to AtmosAir bi-polar ions when compared to a control group.

Source: AntiMicrobial Test Labs, Round Rock, TX

Save on Initial HVAC Costs And On-Going Energy Costs

Moving and conditioning outside air through a HVAC system represents about 50% of total building energy consumption. As a result, airside efficiency typically represents the largest untapped opportunity for building owners. AtmosAir™ technology is a sustainable solution that actively enhances indoor air quality and allows buildings to reduce outside air per ASHRAE's 62.1 IAQ procedure, saving both energy and operating costs.



Operational Expenditure Savings From Reduced Outside Air in Conjunction with AtmosAir:

- 20-40% Reduction in HVAC Energy Expenditures (Electrical/Natural Gas)
- 4-8% Reduction on Entire Utility Bill.
- Extend life of HVAC filters and equipment
- Fully Compliant With All Building/Ventilation Codes

PRODUCTS, SERVICES, AND INSTALLATION

AtmosAir indoor air purification system

AtmosAware
indoor air quality monitoring system

AtmosSmart
ionization level controller

AtmosCare
managed service (maintenance)

AtmosAir Multi-Core Composite Tubes



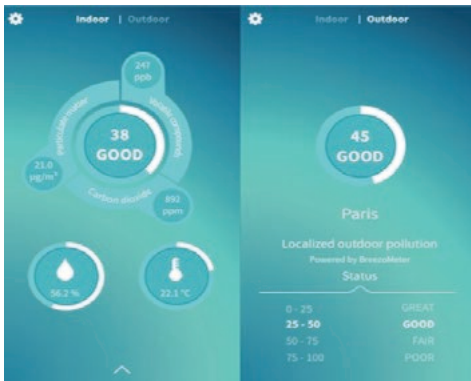
- Durable, Shatterproof
- Produces More Ions than Glass Tubes
- Withstands Maximum Airflow
- Withstands Temperature Swings
- Easy to Handle and Replace
- Two Year Life Span

Simple and Efficient Installation

- Simple installation takes less than 45 minutes
- Easy access to Ionization Tubes for cleaning or replacement
- Benefits to occupants is typically noticeable in less than 1 hour

WE MAKE CLEAN AIR VISIBLE

Real-Time IAQ Monitoring & Ionization Control



Monitor local outdoor & indoor air quality, 24/7, on your phone or screen

The AtmosAware and AtmosSmart system make clean air visible by using proprietary technology to ensure optimal air ions levels are maintained throughout your space. AtmosAware sensors measure different environmental conditions such as TVOC, Ozone, and Relative Humidity. The AtmosSmart logic-based controller interprets the data and automatically adjusts ion intensity to ensure optimal levels and air cleaning performance are maintained, 24/7.

Wi-Fi Enabled Indoor Environment Sensors



- Track and Measure Temperature
- Relative Humidity
- CO2
- PM2.5 (particulate)
- VOCs

Measurably Clean Indoor Air. A Decade of Proven Results.

We've got the 'Before & After' data to validate successful results and energy reductions across hundreds of project applications in every commercial sector. Let us show you.

Staples Center - Full Arena Energy Savings Test			
	AtmosAir OFF	AtmosAir ON	Energy Savings
Total Energy Used (kWh)	583.59	456.56	21%

Reduction in Outside Air			
Staples Center Total Supply (CFM)	Outside Air (CFM) AtmosAir OFF	Outside Air (CFM) AtmosAir ON	Percentage Reduction
689,050	339,640	172,465	51%

HEALTHY RESULTS FOR LEADING BRANDS

AtmosAir is proud to work with a wide range of world-class brands, leagues, institutions, and like-minded industry partners and associations that believe in the value of healthier indoor environments.



Sectors Served by AtmosAir

- Commercial Offices
- Healthcare
- Schools/Universities
- Hospitality
- Casinos
- Food Service
- Sports
- Airports
- Assisted Living

What Our Customers Say

“We have proven that the AtmosAir system does in fact provide cleaner air, and a savings in electrical energy. This system helps us in our efforts towards becoming more sustainable.”

— Bill Potoroff, VP Operations, Staples Center & AEG

“We have been tracking our air quality with AtmosAir and marketing the enhancements to potential tenants. I really believe AtmosAir is a game changer in this city that can really benefit from having fresh air.”

— Steve Levy, Principal, Kamber Management

“We had the system installed in the locker rooms and training center. The players, coaches and athletic trainers noticed an immediate difference. Some of our players that have allergies commented that they could breathe easier and the air was fresher and cleaner with no odors. In a locker room that was amazing to hear and we had it installed throughout the building and in select homes.”

— Stephen Jones, President and COO, Dallas Cowboys