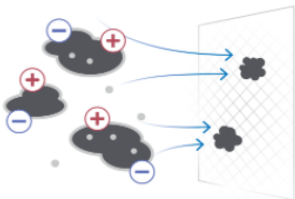


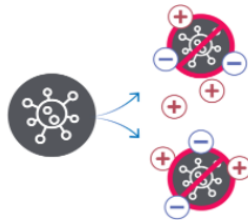
INDOOR AIR QUALITY (IAQ)

How Bipolar Ionization Works to Clean the Air of Pollutants

Much like sunlight does in the atmosphere, Plasma Air technology produces a natural bio-climate rich in positive and negative oxygen 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 restabilize, 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.



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



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



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



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

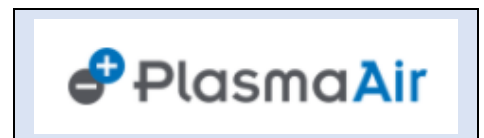
717-797-AMES

AmesMechanical.com

Ames HVAC is committed to finding the best solution to provide your commercial facility with superior indoor air quality! In most cases, we recommend bipolar ionization by PlasmaAir, but at times also utilize UV lights, superior filters, humidity controllers, and ventilation options.

Why Choose Ames Mechanical for IAQ Services?

- Experience – In Business Since 1974
- Know-How – Professionally Trained Techs Average Over 15-Years Experience
- Focus – We Work Exclusively on Commercial HVAC Systems
- Integrity – We Do Only What Needs to be Done
- No Hidden Charges – Clearly-Defined, Reasonable Rates
- Competitive Pricing
- We Are a Lennox IAQ “Qualified” Contractor
- We Promote Bipolar Ionization by PlasmaAir, A Lennox Partner
- Free Onsite Consultations & Estimates



BENEFITS of Bipolar Ionization by



- It works! It effectively neutralizes particulate matter, bacteria and **virus cells**, odorous gases and aerosols, and VOCs (volatile organic compounds)
- Happier People (employees, customers, residents, clients) due to Improved Indoor Air Quality
- Healthier People (employees, customers, residents, clients) – Removes allergens and pollutants – Health Care Savings
- Great PR – shows you truly care
- Removes bad odors
- **NO CHEMICALS OR HARMFUL BY PRODUCTS** (ie. ozone, hydroperoxide, formaldehyde)! IONS occur naturally
- VERY LITTLE MAINTENANCE (cleaned IN MINUTES every 6 months as part of regular maintenance – NO EXTRA cost)
- Easily installed into the airflow of your existing HVAC system – no unsightly fixtures or units in your facility
- No recurring costs – (ie. UV lights require regular/costly bulb changes, high-efficiency filters are significantly more costly)
- PLASMA-AIR is partnered with Lennox – a leader in the HVAC Industry and in business since 1895
- 1 year warranty, 7-10 year life expectancy
- Can lower utility bills (due to decreased need for outside air)
- Can extend life of HVAC equipment (due to decreased need for outside air)
- Can lower costs for new HVAC units (less tonnage required due to reduced need for outside air)

Everywhere You Look. Nowhere To Be Seen.

Invisible and often ignored, indoor air is dangerous to human health and damaging to productivity and cognition. Depending on the environment, indoor air can be up to 100 times more polluted than outdoor air – teeming with volatile organic compounds and microorganisms that contain or attach to viruses, bacteria, fungal spores, and pollen.

Humans spend between 80–95% of their lives inside buildings inhaling more than 350 cubic feet of polluted indoor air every day. Exposure to these pollutants can lead to infectious disease, asthma, allergies, headaches and irritation.