



Controls mold. Reduces smoke, dust and pollen. Neutralizes odors.

PLASMA AIR

Eliminates VOCs. Kills virus and bacteria. Cuts energy by 30%.



Plasma Air manufactures air purification products that result in healthier, more productive indoor environments in institutional, commercial, industrial and residential applications.

Plasma Air Improves IAQ in Multiple Environments

Plasma Air provides cleaner, healthier indoor air quality (IAQ) in the following environments:



RESIDENTIAL – Controls mold growth, reduces airborne smoke, dust, pollen and pet dander that aggravate sinuses, asthma and allergies in houses, condos and apartment buildings.



INSTITUTIONAL – Reduces bacteria, airborne particles, odors and mold in schools, churches, correctional facilities, military barracks and other government buildings; neutralizes odors and volatile organic compounds (VOCs) in airport terminals, public concourses, auditoriums and convention centers.



COMMERCIAL – Improves IAQ, thereby boosting productivity in office buildings, retail spaces and big-box stores; reduces bacteria and odors in medical facilities, nursing homes, gymnasiums, locker rooms and other sports facilities; removes odors and smoke from casinos; neutralizes VOCs from furniture, paint, carpet and cleaning agents.



INDUSTRIAL – Neutralizes VOCs and chemicals used in manufacturing and production facilities; controls odors, bacteria and emissions in waste water and sewage treatment facilities and other processing plants.

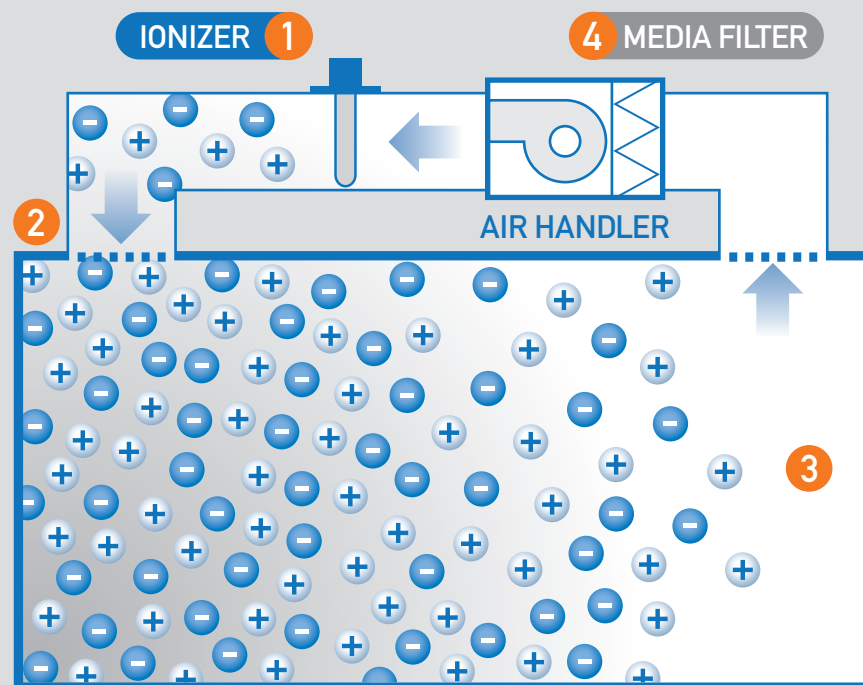
Easy Application

Plasma Air products are an easy part of the process in both new construction and retrofit applications. Our units mount on the supply air ductwork or in the air handler itself so no special provisions are required. We provide specifications, ionization unit schedules, CAD drawings and our in-house engineering support when you need it.

Sustainable Solution

Plasma Air's ionization system aligns well with the social, environmental and economic priorities of sustainability. Cleaner, healthier indoor air is a clear social benefit. Chemical and pollution-free air is an indisputable environmental right. Products do not utilize UV light and are ozone safe. Additionally, the potential for saving energy and reducing employee downtime and healthcare costs is an economic benefit to owners, managers and occupants.

How Plasma Air makes indoor air cleaner and healthier



- 1 The Plasma Air ionizer produces millions of positive and negatively charged oxygen ions. See back cover for a list of Plasma Air products.
- 2 The ions travel through the duct system and into the room where they interact with airborne particles, germs and gaseous contaminants.
- 3 Charged ions trigger cell oxidation, reducing airborne mold, bacteria and virus cells. The ions break down gases, eliminating VOCs and odors.
- 4 Particles are charged oppositely, causing them to cluster into larger particles, which can now be caught by the filter and removed from the air flow.

First Cost and Energy Savings

Because Plasma Air reduces typical building pollutants, costly outside air intake can be decreased according to the latest building codes. On new construction, this results in a 20% to 30% savings in AC and heating equipment first costs, as well as ongoing energy savings.

Benefits of Plasma Air Technology

Independent studies commissioned by Plasma Air have validated how our bipolar ionization products result in cleaner and healthier indoor air.

REDUCE SMOKE, DUST AND POLLEN

Particles such as smoke, dust and pollen, as well as airborne mold spores, are ionized, clustered, and then caught by the AC system's filter. Test results show an 86% reduction in dust particles within 15 minutes, and removal of 91% of mold spores in nine minutes.

KILL BACTERIA AND VIRUS

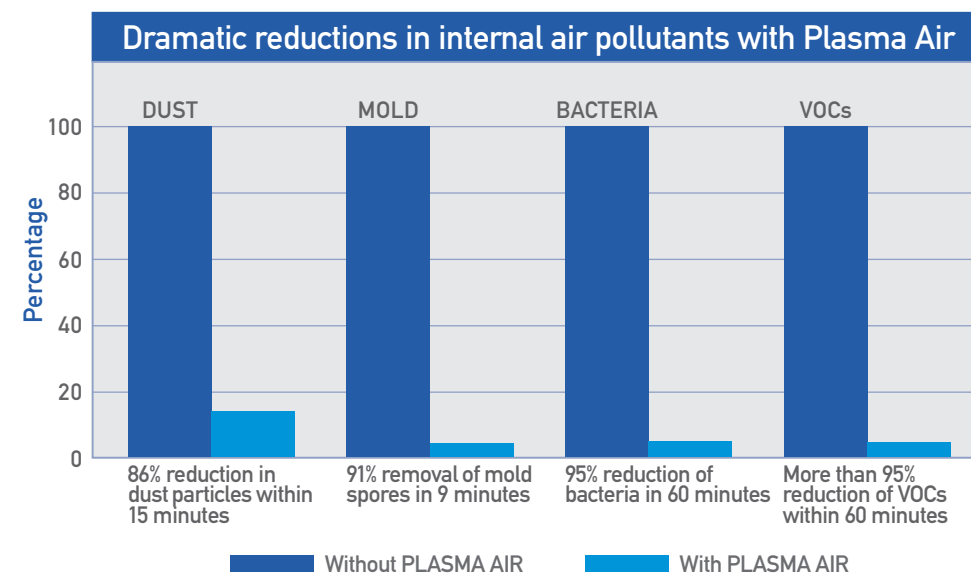
Bipolar ionization kills bacteria and inhibits their growth. Our tests show a 95% reduction of airborne bacteria in 60 minutes. Independently published studies document how bipolar ionization also kills virus.

CONTROL CHEMICAL AND VOC GASES

Many chemical compounds and VOCs, such as those present in building materials, furniture, office equipment, cleaning agents and paint, are neutralized by breaking down their molecular structures. Test results show a reduction of more than 95% of chemical and VOC gases typically found in indoor environments.

NEUTRALIZE ODORS

Odorous gases oxidize on contact with bipolar ions and are quickly eliminated.



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