

Plasma ion Tower

The Natural Fresh, Clean Air



Plasma ion Tower

Model: PT888W1 and W2

Giving you
Healthy air in your
daily life



The benefits of Plasma ion Tower

- Particle Reduction: Laboratory Results Speak for Themselves**
 -86% of dust particles were removed from the air in a 15 minute test period (see chart below)
 -91% of mold spores were removed from the air to an undetectable level in 9 minutes.
- Particles, such as dust, mold spores, smoke and pollen are charged by the oxygen ions causing them to stick together.**
 These larger, heavier particles then fall to the floor where they are rendered harmless.
- Sterilization of Mold and Bacteria**
 Oxygen ions inhibit the growth of mold and cause the reduction of bacteria by penetrating the cell's split zone preventing cell division.
- Odor Neutralization**
 Odorous gases oxidize on contact with active ions. Odors especially of an organic origin are quickly eliminated.
- Chemical and VOC Control**
 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 into carbon dioxide (CO2) and water (H2O)
- Cleaning Air While Conserving Energy**
 Airborne pollutants and odors are eliminated without requiring dilution through outside air intake.
- Neutralises**
 Pollen, Stale air, Cooking smells, Paint & solvent fumes, Smoke, Mould & fungi, Pet smells, VOC compounds, Particles.

The Comparison of Air Purification Methods

	HEPA	UV	Activated Carbon	Plasma Ion Tower	HEPA
Removes 99.97% of particles as small as 0.3 microns	✓	✓	✓	✓	✓
Removes 99.99% of particles as small as 0.1 microns	✓	✓	✓	✓	✓
Removes 99.99% of particles as small as 0.05 microns	✓	✓	✓	✓	✓
Removes 99.99% of particles as small as 0.01 microns	✓	✓	✓	✓	✓
Removes 99.99% of particles as small as 0.005 microns	✓	✓	✓	✓	✓
Removes 99.99% of particles as small as 0.001 microns	✓	✓	✓	✓	✓
Removes 99.99% of particles as small as 0.0005 microns	✓	✓	✓	✓	✓
Removes 99.99% of particles as small as 0.0001 microns	✓	✓	✓	✓	✓
Removes 99.99% of particles as small as 0.00005 microns	✓	✓	✓	✓	✓
Removes 99.99% of particles as small as 0.00001 microns	✓	✓	✓	✓	✓
Removes 99.99% of particles as small as 0.000005 microns	✓	✓	✓	✓	✓
Removes 99.99% of particles as small as 0.000001 microns	✓	✓	✓	✓	✓
Removes 99.99% of particles as small as 0.0000005 microns	✓	✓	✓	✓	✓
Removes 99.99% of particles as small as 0.0000001 microns	✓	✓	✓	✓	✓
Removes 99.99% of particles as small as 0.00000005 microns	✓	✓	✓	✓	✓
Removes 99.99% of particles as small as 0.00000001 microns	✓	✓	✓	✓	✓
Removes 99.99% of particles as small as 0.000000005 microns	✓	✓	✓	✓	✓
Removes 99.99% of particles as small as 0.000000001 microns	✓	✓	✓	✓	✓
Removes 99.99% of particles as small as 0.0000000005 microns	✓	✓	✓	✓	✓
Removes 99.99% of particles as small as 0.0000000001 microns	✓	✓	✓	✓	✓

The Plasma ion Tower System

- Disinfects air by producing and distributing a controlled amount of positive and negative ions which restore oxygen molecules to an active state.
- Effective against bacteria, viruses, mold spores, VOC compounds and particles.
- Can treat the source of contamination,
- Can be incorporated into central HVAC systems or used as stand alone units.
- Will not restrict airflow when incorporated into central systems.

Different Environments, Same Result: Clean Air

Residential

An approach to control mold growth and the reduction of airborne dust, pollen and pet dander which cause sinus problems, asthma and allergies.

Schools

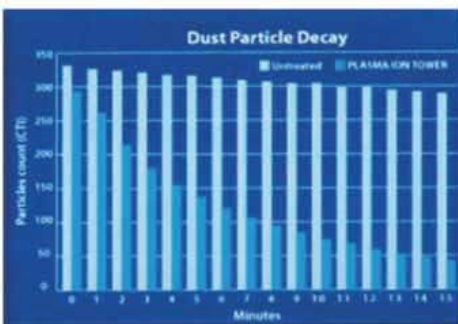
An approach to reduce bacteria, airborne particles, odors and mold which all contribute to IAQ problems that a typical school experiences.

Commercial

An approach to alleviate the symptoms of Sick Building Syndrome, bacteria in restaurants, odors in nursing homes and casinos and Volatile Organic Compounds (VOCs) from furniture, carpets, paint and cleaning agents.

Industrial

An approach to neutralize VOCs and chemicals used in manufacturing processes and control odors, bacteria and emissions from sewage and wastewater treatment facilities.



Particle Reduction:

- Paper processing up to 99% airborne particles
- Paper processing up to 90% smoke, oil mist
- Plastics processing up to 99% solvents
- Printworks up to 99% benzene, toluene
- Food industries up to 99.9% mould, spores, smell & bacteria



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In the early 1900's Albert Einstein's sister was suffering from tuberculosis. The treatment at that time was to take her to a hospital high in the Alps where, remarkably, she made a full recovery. Intrigued, Einstein, along with his good friend Conrad Habicht, set about finding a scientific explanation for this phenomenon. What he discovered was that the number of activated oxygen ions at high altitude was much greater than at low altitude. And so he set about creating a device that could replicate the natural electricity of air.

Healthy air equals quality of life.
Invest in your health – every day.

The **Plasma ion Tower** that creates it's own fresh and clean bio-climate in your home or office is based on the same old plasma technology originally invented by renowned scientist, Albert Einstein. This bio-climate is rich in active oxygen molecules so your environment feels as clean as the air in nature; high on the mountain tops, in the forest, near a waterfall.

Plasmaion Tower

The Natural Fresh, Clean Air

Do you remember how refreshing the air is at the beach... near a waterfall... in the mountains or after a lightning storm?

This fresh, clean air is the results of negatively charged ions and a slightly elevated level of ozone. In these places, thousands of negative ions occur naturally. They create a positive impact on human biochemistry.

The normal ion count in fresh country air is between 2000 – 4000 negative ions per cubic centimeter (about the size of a sugar cube). At Yosemite Falls, you'll experience over 100,000 negative ions per cubic centimeter.

Ions are charged particles in the air that are formed in nature when enough energy acts upon a molecule such as carbon dioxide, oxygen and water to eject an electron from those molecules. The displaced electron attaches itself to surrounding molecules which then becomes a negatively charged ion. It's the negative ion of oxygen that improves our health the most.

Natural Air recreates Mother Nature's natural processes for fresh, pure air in your home. Designing the very best purification products possible – that has been the mission of our team of scientists, engineers and air quality specialists since the company's inception.

Now after nearly three decades of research and development, we are excited to introduce Natural Air – the world's first dynamic air regenerator, with the ability to purify the air of an entire home up to 3,000 square feet.

Small ion count at various locations

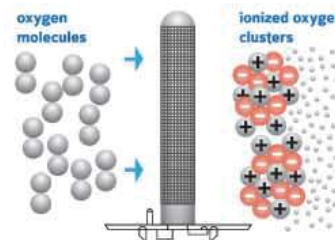


How Plasma ion Tower clean your air

Quite simply, an ionizer produces charged oxygen ions. These ions react with the oxygen molecules in your environment. This reaction forces the molecules to form clusters – and when a cluster is formed electrons are released. The electrons in turn oxidise bacteria molecules and mold spores in your home or office, and so, destroy them. These electrons also help neutralise odours from 'Volatile Organic Compounds', VOCs are gases emitted from paints, lacquers, cleaning products, glues, copier fluids and thousands of other everyday products which cause many unpleasant and unrecognised symptoms. The oxygen molecule clusters cling to their harmful particles making them heavier so that they descend to floor level & we are prevented from inhaling them.



Formation of Ionized Oxygen Clusters



Plasma ion Tower Accentuates the Positive

- By introducing electricity at a specified voltage, the Plasma ion Tower systems create a measurable and controllable quantity of positive and negative oxygen ions similar to what occurs naturally at mountain elevations.
- The activated oxygen ions cluster together to neutralize pollutants and reduce them to less harmful substances.
- All this is done without resorting to the potentially harmful use of ultraviolet light or chemical additives.



Technical data

Location	: Portable & Wall Mounted, anywhere in a room / office
Voltage	: Pri : 110-120V / 220-240V, 50 Hz Sec : 12V 400mA
Number of tubes	: 1 (W1) / 2 (W2)
Effective emission rate	: >4,000,000 (W1) / 8,000,000 (W2) ion/cm3 /
Ozone output	: < 0.05PPM (World Health Organization Standard)
Energy consumption	: <10 watt
Coverage area	: 60 – 300 (W1) / 200 – 500 (W2) ft²
Weight	: 2 kg / 2.8kg
Dimension	: 335mm x 90mm x 65mm (W1) / 335mm x 130mm x 65mm (W2)
Filter	: No filter required

Computers, copiers, fax machines and network systems all produce harmful ozone. The condition called '**Sick Building Syndrome**' has been widely attributed to the gases these and other modern chemical substances produce. Add to this noxious man-made cocktail the natural pollutants such as bacteria, mold spores, pollen, allergen and odors, and the effect on health can be dramatic. Spending 8 hours a day in this poisonous environment will often result in headaches, nose and throat irritation, conjunctive disorders, allergic skin reactions, asthma, eczema, fatigue and dizziness. With SBS, no clinically defined disease or specific chemical or biological contaminates can be determined as the cause of the symptoms. Most of the complaints feel relief soon after leaving the building.

Plasma ion Tower can:

- creates a clean and healthy bio-climate
- diminishing the causes of allergic reaction
- combats the causes of asthma
- wipes out odors and airborne viruses
- neutralises ozone
- provides a healthy oxygen-rich environment
- disinfects air by producing and distributing a controlled amount of positive and negative ions which restore oxygen molecules to an active state
- treats the source of contamination
- covers up to 3 bedroom apartment

Plasma ion Tower neutralises:

- Pollen, stale air, cooking smells paint & solvent fumes, smoke, mould & fungi, pet smells and etc.

Applications

- Offices, classrooms, restaurants, kitchen, living room, day care centres, bedrooms, reception hall, conference rooms, studios etc.

