

# OZONE AIR TREATMENT SYSTEM

The National Council on Clean Air has identified **indoor air pollution** as one of *the top ten killers* in the U.S. today.

Ozone is nature's strongest sanitizer and air purifier. Employing efficient corona discharge technology, the Ozone Air Treatment System eliminates by oxidation the source of air contaminants commonly found in today's home and office.

Ozone (O<sub>3</sub>) is nature's cleanser for air and water. It is an unstable three-part molecule of oxygen. When an ozone molecule attaches itself to a contaminant, its oxidation process totally destroys it. Residual ozone reverts back to pure oxygen making it *environmentally friendly*.



## Ozone air treatment...

**Destroys** tobacco, smoke, pet, cooking, and chemical odors

**Kills** bacteria, airborne viruses

**Removes** allergy causing pollen and microbials

**Prevents** mold and mildew, the leading cause of Legionnaires Disease

**Eliminates** toxic fumes from printing, plating processes, hair and nail salons, septic tanks, etc.

## The Purification Process

Oxidation: Ozone, when introduced into the atmosphere in low levels is an excellent air purifier. Ozone in itself is an unstable three-part molecule of oxygen. When an ozone molecule contacts a pollutant, it attaches itself to it and changes its molecular structure in most cases to carbon dioxide and hydrogen. By destroying viruses, bacteria and other microbial contaminants, the source of the odor is eliminated and the odor does not return.

Ozone *destroys the contaminant molecule*, it does not mask it as other methods do.

Ozone *treats all of the air*, not just the air that is pulled into it as do the vast majority of electronic filters that are on the market today.

Ozone residual will revert back to pure oxygen, making it *environmentally friendly*.

## How does it work?

The air purification units create ozone by taking the part of the air we breathe and passing an electrical charge across it. The O<sub>2</sub> molecules are split to O<sub>1</sub> molecules, which then recombine to form the O<sub>3</sub> ozone molecule. This process has been in use for close to 100 years, primarily in water treatment. Many major cities use ozone today, the largest in the world being Dallas, Texas.

Ionization: Units that contain the ION generator produce negative ions often referred to as the "thunderstorm effect". These negative ions restore a "natural balance" by combining with positively charged ions which are part of the pollutants in indoor air, making them too heavy to remain airborne, thus resulting in overall cleaner air.

Note: Ozone is a powerful oxidant and should be operated in accordance with instructions in the operation manual. Ozone is not a carcinogen.

## Specifications:

Output:	Up to and including 5,000 square foot areas
Amperage:	0.35 Fusing, 1 amp slow-blow
Electrical:	120/240, 50/60 Hz
Controls:	Fan: Variable speed Purifier: Adjustable range – low to high
Dimensions:	14"x10"x10"
Weight:	14lbs.



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