



Indoor Air Quality Technology

Remove Dust and Pollen
Neutralize Odors and Gases
Reduce Energy

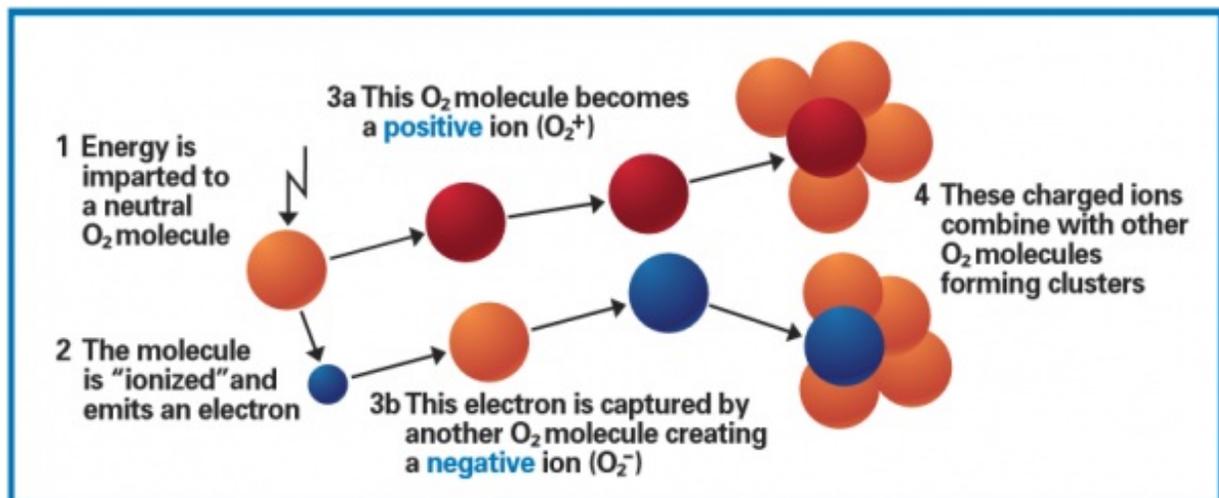
Website | Wastewater | Industrial | Commercial | Ionization Science | About Aerisa

Greetings!

How Are Oxygen Ions Produced And What Do They Do?

Ion generators are used to produce highly ionized air with millions of ions (O_2^+ and O_2^-) which is then delivered through the ductwork and into the treated space. Because of their charge, these ions proactively attack the contaminants at their source to vastly improve indoor air quality.

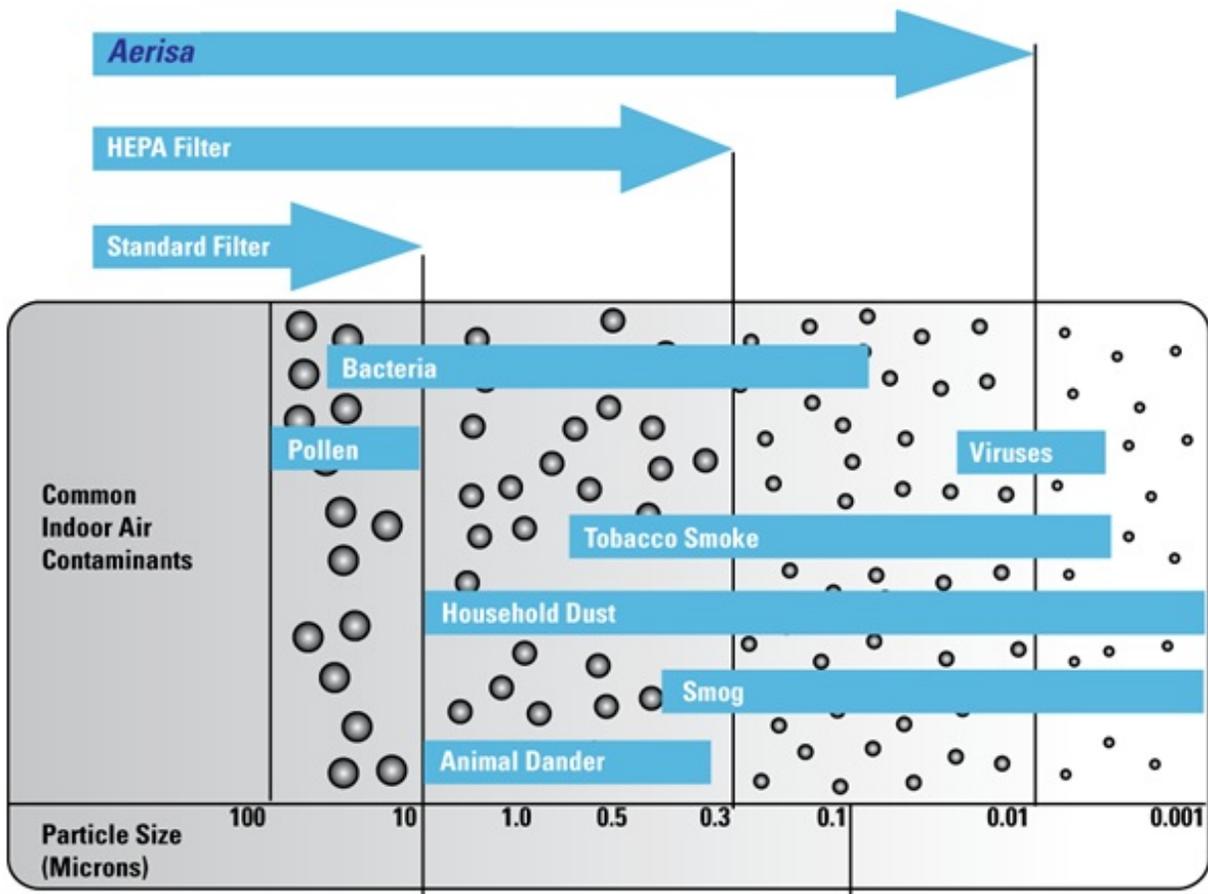
These [generators](#) apply an electrical charge to the air which causes oxygen molecules (O_2) to emit an electron. This process is depicted in the following chart.



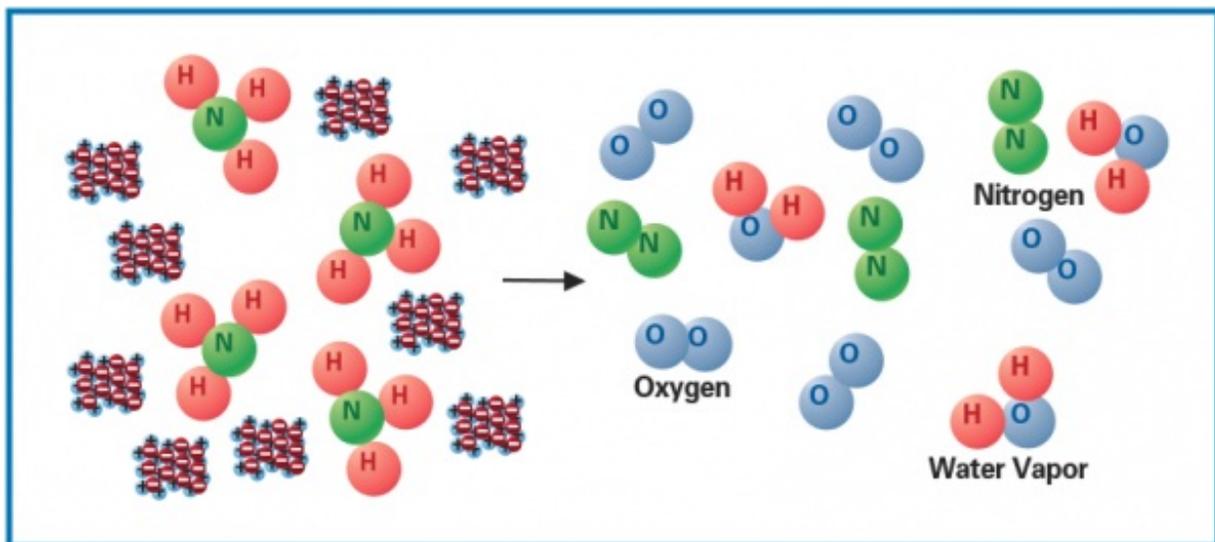
Aerisa ionization technology provides three primary benefits:

Airborne Particulate Removal: Ions have a charge, and since opposites attract, airborne particulates agglomerate and increase in size. Larger particles are trapped more efficiently by

even low efficiency return air filters. Larger particles also settle much faster and may then be removed by housekeeping.



Odor and VOC Removal: Highly ionized air oxidizes odor causing compounds into less objectionable molecules such as water, nitrogen gas and elemental sulfur. Following is an example of how Ammonia (NH_3) is oxidized and broken down into its individual components. The process of ionizing a molecule is instantaneous and irreversible.



Bacteria, Mold and Virus: Ions will oxidize the cell walls of bacteria, mold and virus. When the cell walls of these living microorganisms are oxidized, they become sterile and are no longer able to multiply. When this happens, they simply die off and are permanently removed from the space.

Use our [Rep Finder](#) application in our [website](#) to find your local representative or [contact us](#) directly should you have any questions. For our general commercial brochure, please [click here](#).

ABOUT AERISA

Aerisa manufactures bipolar ionization technology that results in **dramatic air quality improvements** in a wide array of markets including industrial, institutional, commercial and residential. Aerisa successes are found in the most demanding applications, such as wastewater treatment, food processing, casino, athletic, and transportation.

CALL OR EMAIL TODAY TO DISCUSS YOUR SPECIFIC APPLICATION

(404) 990-1011 or info@aerisa.com

To put Aerisa's revolutionary Indoor Air Quality technology to work for you and your company, please visit Aerisa.com or call (404) 990-1011.

Sincerely,

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