

## Bipolar Ionization



Factory Installed Compact Unit Mounted  
Auto-Cleaning Ionization System

### CLEANER AIR...NATURALLY

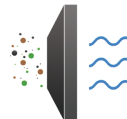
When your WaterFurnace system is equipped with bipolar ionization system, indoor air quality improves considerably. We employ state-of-the-art technology to essentially create what science does on its own. During the process, electrically charged ions are released into the air. These break down pathogens and odors and make harmful airborne particles easier to remove. It is all done without toxic chemicals and at a cost savings. And unlike other companies, WaterFurnace only uses bipolar ionization systems that are certified under UL-2998 as a validated zero ozone emissions air cleaner.

### KEY BENEFITS



#### DESTROYS PATHOGENS

The chemical process created through bipolar ionization robs viruses, bacteria and mold spores of hydrogen. Because that changes the molecules themselves, the microorganisms die and diseases can no longer be distributed through the air.



#### NEUTRALIZES ODORS

Evidence of bipolar ionization at work is clearly seen through the removal of odors. Just like with pathogens, the process breaks up odor-causing components. As a result, the air will smell fresh even in the presence of highly-odorous compounds such as smoke and VOCs.



#### REDUCES PARTICLES

Some of the most common airborne particles are also the most bothersome to humans because of asthma and allergies. These include dust, pet dander and pollen. The ions discharged during bipolar ionization are attracted to these particles and attach to them. The added weight and mass cause them to drop from the air, making it possible to collect them in the system's filters.



#### SAVES ENERGY & SERVICEABILITY

Because of this innovative process, the need for standard ventilation might be reduced. Since mechanical ventilation is a costly way to clean the air, the addition of bipolar ionization can reduce energy consumption by up to 30%<sup>1</sup>. The reduced maintenance of the self-cleaning models has the ability to not only monitor failure over the BAS, but also the ability to measure ionization levels in duct and space over the BAS.

*Specify bipolar ionization system into your next job or request it to be included on your next quote.*