



ALPINEPURE® IONIZATION

ACCESSORIES

www.geostar-geo.com



GEO THERMAL HEAT PUMPS

Cleaner Air...Naturally

When your GeoStar system is equipped with the new AlpinePure® Ionization System, indoor air quality improves considerably. We employ state-of-the-art bipolar ionization 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, the GeoStar AlpinePure Ionization System is certified as a validated zero ozone emissions air cleaner.



How It Works

ION GENERATION

The device produces a balanced mixture of both positive and negative ions.

DISPERSAL

Millions of ions are dispersed into the air throughout the entire indoor space.

CLUSTERING AND ELIMINATION

The ions attach to contaminants like airborne particles, dust, allergens, pathogens, odors and volatile organic compounds (VOCs). As a result, these now larger particles are more easily captured by your filter, increasing its efficiency and cleaning the air.

Features and 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.
- ✓ **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.
- ✓ **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 and VOCs.
- ✓ **IMPROVE PERFORMANCE & SERVICEABILITY:** The new AlpinePure Ionization System improves air coil cleanliness which increases equipment efficiency and lowers service requirements.

Did You Know?

According to the EPA²:

- The average person spends 90% of their time indoors
- Indoor levels of some pollutants are often several times higher than what they are outdoors.
- Poor indoor air quality is an environmental risk that can worsen health outcomes, decrease productivity and increase building maintenance expenses.

Technical Data

- 2 devices included in kit with wiring harness
- Ions delivered during operation: > 155 million
- Zero ozone emission verified (UL 867)
- Power consumption / supply: 4 watts / 24 volts
- Easy installation
- Safe – Meets or exceeds UL, CSA, ETL requirements
- LED to indicate operation

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1. 2009 EPA Tech Paper. 2. EPA Factsheet: What is Indoor Air Quality?

