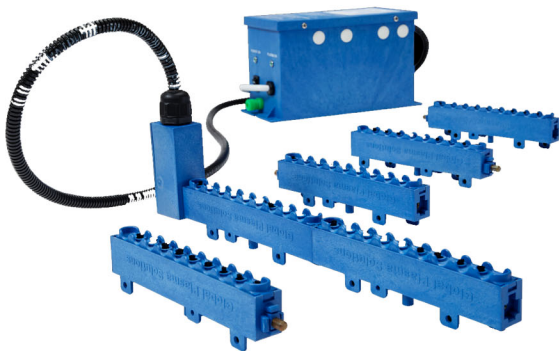


Needle Point Bi-Polar Ionization Technology






The HVAC-R industry's responsibility to help reduce virus and microorganism spread thru the airstreams nowadays is huge and most of its manufactured units are installed in daily life related applications. The HVAC-R industry continues to search for solutions that contribute to reduce the risks of general contagions and to guarantee comfort and favorable environments for everyone.



Using **Global Plasma Solutions (GPS)** in an **Alliance Air Products** Custom Air Handler is a great way to combat tiny particles and viral material from getting into the airstream. One solution that **Alliance Air Products** can offer you is the GPS Bi-Polar Ionization system which releases charged ions into indoor air that interact and remove pollutants from indoor air.

Needle Point Bi-Polar Ionization technology can eliminate living pathogens from the environment. It surrounds the virus membrane and extracts the hydrogen molecule thus eliminating its ability to reproduce. Needle Point Bi-Polar Ionization not only serves to regulate the indoor environment but also the HVAC system and can be easily installed in the coil section of an air handler.

Needle Point Bi-polar Ionization benefits:

-  Kills mold, viruses and bacteria
-  Disassociates VOCs into less harmful gases found in the atmosphere
-  Eliminates odors
-  Reduces static electricity
-  Helps save energy

ODOR /VOC CONTROL

When high voltage of both polarities is continuously applied to a pair of positive (+) and negative (-) emitter points, oppositely charged Hydrogen and Oxygen Ions are produced creating Plasma, also known as Bi-Polar Ionization. The ions produced by GPS's Needle Point Ionization system break down gases with an Electron-Volt Potential of less than 11.8, to harmless compounds in the atmosphere such as oxygen, nitrogen, water vapor and carbon dioxide.

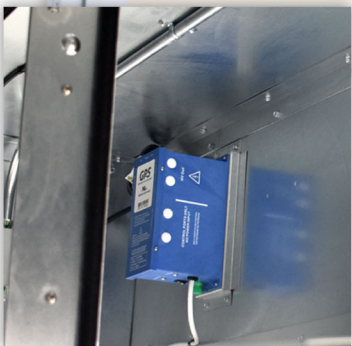
KILLS MOLD, VIRUSES AND BACTERIA

Positive and negative ions react to form Hydroxyl (Nature's Friendly Detergent), which surrounds the pathogen; next the Hydroxyls rob the pathogens of the hydrogen necessary for them to survive.

REDUCE AIRBORNE PARTICLES

The ion clusters are drawn to airborne particles by their electrical charge. Once the cluster is formed around the particle, the particle grows larger by attracting nearby particles and increases the filtration effectiveness.

FOR MORE INFORMATION, PLEASE CONTACT YOUR LOCAL ALLIANCE AIR PRODUCTS REPRESENTATIVE:



Industries Served:

- Hospitals
- Clean Rooms
- Pharmaceutical
- Laboratories
- Food Industry
- Biotechnology Industry

or AAP directly at: sales@allianceairproducts.com