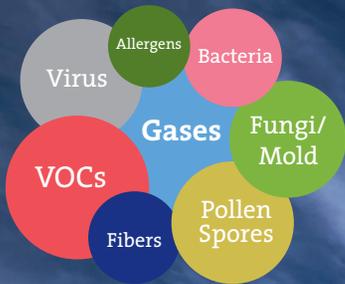
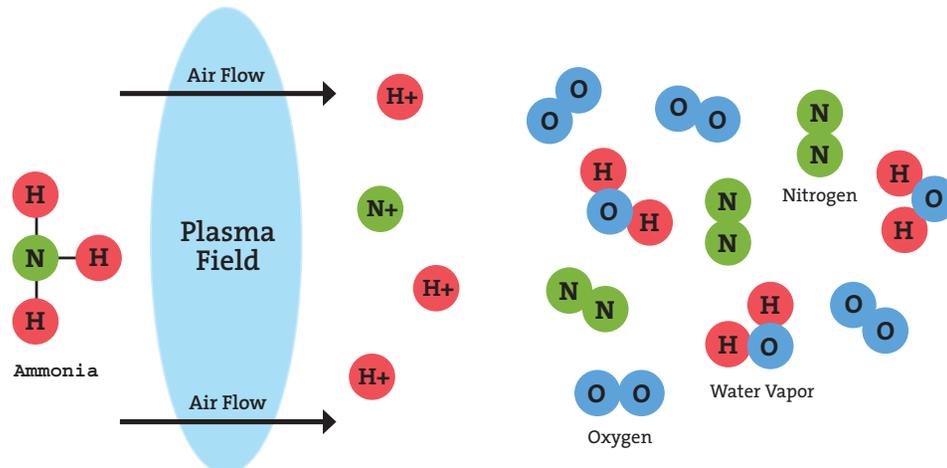


How It Works

Air is made up of millions of molecules, including harmful gases, fibers, bacteria, and allergens. The plasma field technology in our products breaks down those harmful molecules into simple, safe, naturally occurring molecules. This bi-polar ionization process is key to maintaining healthy indoor air quality in your home and work environments.



Global Plasma Solutions
Saving Lives. Saving Energy.™



Air Cleaning Process

GPS' Plasma Field Technology Breaks Down Harmful Gases Such as Ammonia

GPS Treated Air

Objectionable Gases Re-form into Safe, Naturally Occurring Atmospheric Gases

Creating Healthy Indoor Air Environments

Affordable Solutions for Clean Indoor Air

Our Complex World - The Air We Breathe

We spend 90% of time indoors. Indoor air quality is often poor--typically 2 to 5 times worse than outside air & sometimes 100 times worse.

Our Products:

- Kill Mold
- Kill Bacteria
- Kill Virus
- Neutralizes Odors
- Reduces Particulates
- Clean Cooling & Heating Coils
- Controls Static
- Reduces Energy
- Save Money

For more information, contact a GPS Representative.



GPS

Global Plasma Solutions

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Product Features

The GPS plasma generator sometimes called a “Bi-Polar Ion Generator” or “Cold Plasma Generator” uses an alternating plasma discharge to split water molecules into oppositely charged hydrogen and oxygen ions. These ions in turn break down gases to harmless compounds prevalent in the atmosphere such as oxygen, nitrogen, water vapor and carbon dioxide.

The resultant compounds are a function of the entering contaminants into the plasma field. An example would be formaldehyde, which is produced by building furnishings and is carcinogenic. Formaldehyde breaks down to carbon dioxide and water vapor, thus eliminating the health hazard. Ammonia that is produced by occupants breaks down to oxygen, nitrogen and water vapor. The chemical you start with determines how it reacts with the plasma field and how it breaks down. Harmful and objectionable gases break down to harmless gases already prevalent in the atmosphere. The chemical break down reduces the odors within the space.

Over 10,000

Satisfied GPS Clients

- Univ. of Pittsburgh Medical Center
- Baylor College of Medicine
- Children’s Hospital Boston
- Presidential Palace, Abu Dhabi
- Tampa Bay Times Forum
- UNC Hospital
- US Army and Marines
- Clemson University
- Phoenix Sky Harbor Airport
- Over 300 K-12 Schools
- Virginia Military Institute

Applications

- Residential
- Commercial
- Industrial

3rd Part Testing Results by EMSL Labs

	% Kill	Time Period
E. coli	99.68%	15 minutes
C. diff	86.87%	30 minutes
Staph	96.24%	30 minutes
MRSA	96.24%	30 minutes
TB	69.10%	60 minutes



GPS Products--Tested by Intertek/ETL and Proven Compliant to UL 867*



GPS-FC

Fits Any Smaller System

Features:

Carbon fiber brush, needlepoint, bipolar ionization generator rated 1,200 CFM nominal capacity. Great for mounting in fan coils, ductless mini-splits, chilled beams, water source heat pumps, or any other forced air systems with low air flow.

Voltage: 115V-240VAC
Power: 2 VA
Capacity: 1,200 CFM Nominal
Size: 2.2 x 1.6 x 1
Weight: .25 lbs.



GPS-RN

Duct Mounted Bi-Polar Ionization Unit

Features:

Duct mounted, needlepoint bipolar ionization unit. 24VAC input power supply, with 90VAC to 266VAC inputs available. Stainless steel housing and carbon fiber needles, 3,200 CFM capacity, Low profile, 2.5mm 12VDC Input, Illuminated on/off switch, Maintenance-free design with alarm output dry-contacts.

Voltage: 12VDC
Power: 6 Watts
Capacity: <3,200 CFM Nominal
Size: 5 x 3.3 x 2.1
Weight: 2 lbs.



GPS-IBAR

Custom Sized to any AHU or Duct

Features:

AHU or duct mounted needlepoint bipolar ionization unit with 316SS needles and aluminum casing. GPS-IBARs are custom cut to fit the width of cooling coils or the internal AHU/duct width. They work exceptionally well killing contaminants such as mold, bacteria, and virus downstream of the device. The GPS-IBAR is simple to maintain.

Voltage: 110-230V
Power: 60 Watts
Capacity: No Limits



GPS-600

Floor Mounted Air Purifier

Features:

Unit combining air cleaning technologies: 400 CFM with Filters, Remote Control, Low Profile, 99.97% HEPA, CARBON, UVC Lights, Ionization, 115VAC Power

Voltage: 110-120V
Power: 150 Watts
Capacity: <300 CFM
CFM: Fan Speed High - 400, Medium - 300, and Low - 200
Treated Area: <5,200 ft³
Size: 68 x 19.4 x 11.6
Weight: 80 lbs.



GPS-300

Ceiling Mounted Air Purifier

Features:

Unit combining air cleaning technologies: 300 CFM with Filters, Remote Control, Low Profile, 99.97% HEPA, CARBON, UVC Lights, Ionization, 115VAC Power

Voltage: 110-120V
Power: 122 Watts
Capacity: <300 CFM w/ filters
CFM: Fan Speed High - 300, Medium - 200, and Low - 100
Treated Area: <4,300 ft³
Size: 26 x 26 x 16
Weight: 65 lbs.



GPS DIESEL EXHAUST GAS PURIFIERS

Generators, Urban Buses & Trucks, and All Other Diesel Equipment

Features: Cold Start Odor Control Using Hydrocarbon Traps!

Effective conversion of hydrocarbons and aldehydes, which creates less eye irritation. Diesel odor virtually eliminated. Reduction in particulate emissions due to elimination of the SOF fraction. High reduction of carbon monoxide to reduce problems with dizziness and headaches. Lowest light-off temperature due to zeolite hydrocarbon traps. Advanced catalyst formation with almost no sulfate formation. Low pressure drop. Easy maintenance or maintenance-free in most cases.