

GPS DELIVERS...



Particle Reduction

The GPS NPBI technology reduces airborne particles (i.e., dust, pet dander, pollen).



Odor Reduction

Chemical, pet, cooking, and other odors are broken down into basic harmless compounds, leaving the indoor air fresh smelling and free of odor causing VOCs.



Pathogen Reduction

NPBI technology attacks and kills viruses, mold spores and bacteria leaving you with clean and healthy indoor air.

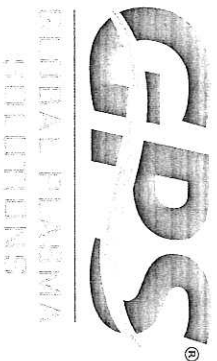


Energy Saving

GPS' environmentally friendly cleaning process allows commercial buildings to significantly reduce the amount of outdoor air required to operate.



**Improved
Indoor Air
Quality**



Engineering Air for a Cleaner World™

GlobalPlasmaSolutions.com

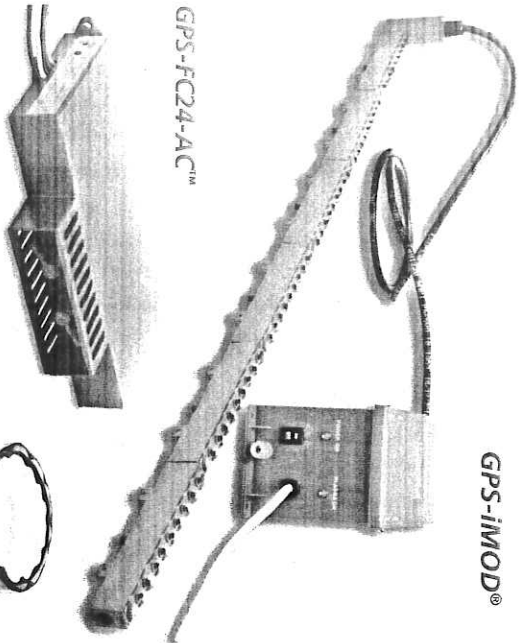
How Ionization Works

GPS NPBI technology works to safely clean the air inside industrial, commercial and residential buildings. The patented technology uses an electronic charge to create a plasma field filled with a high concentration of + and - ions. As these ions travel with the air stream they attach to particles, pathogens and gas molecules. The ions help to agglomerate fine sub-micron particles, making them filterable. The ions kill pathogens by robbing them of life-sustaining hydrogen. The ions breakdown harmful VOCs with an Electron Volt Potential under twelve (eV<12) into harmless compounds like O₂, CO₂, N₂ and H₂O. The ions produced travel within the air stream into the occupied spaces, cleaning the air everywhere the ions travel, even in spaces unseen.

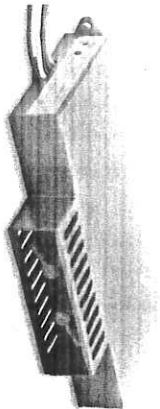


GPS Products

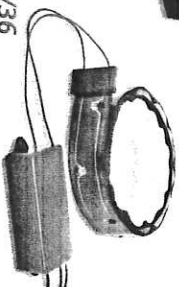
GPS-iMOD®



GPS-FC24-A-C™



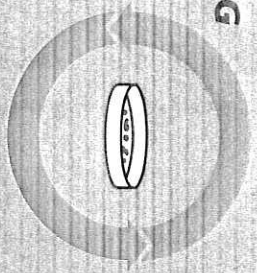
GPS-iRIB® 18/36



3rd Party Testing Summary*

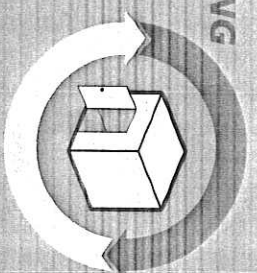
SENSITIVITY TESTING

A petri dish containing a pathogen is placed underneath a laboratory hood, then monitored to assess the pathogen's reactivity to NPBI over time. This controlled environment allows for comparison across different types of pathogens.



SIMULATION TESTING

Counts of airborne pathogens are taken before and after aerosolizing them into a sealed, unoccupied laboratory environmental room installed with NPBI technology. The larger space more closely resembles a real-world environment.



Norovirus*
TIME IN CHAMBER 30 MINUTES
RATE OF REDUCTION 93.5%
ATIS-LABS

Legionella
TIME IN CHAMBER 30 MINUTES
RATE OF REDUCTION 99.7%
EMSL

Tuberculosis
TIME IN CHAMBER 60 MINUTES
RATE OF REDUCTION 69.0%
EMSL

Staphylococcus
TIME IN CHAMBER 30 MINUTES
RATE OF REDUCTION 96.2%
EMSL

Human Coronavirus*
TIME IN CHAMBER 60 MINUTES
RATE OF REDUCTION 90.0%
ATIS-LABS

Clostridium Difficile
TIME IN CHAMBER 30 MINUTES
RATE OF REDUCTION 86.8%
EMSL

MRSA
TIME IN CHAMBER 30 MINUTES
RATE OF REDUCTION 96.2%
EMSL

E.coli
TIME IN CHAMBER 15 MINUTES
RATE OF REDUCTION 99.6%
EMSL

*DISCLAIMER: Global Plasma Solutions (GPS) uses multiple data points to formulate performance validation statements. GPS technology is used in a wide range of applications across diverse environmental conditions. Since locations will vary, clients should evaluate their individual application and environmental conditions when making an assessment regarding the technology's potential benefits.

The use of this technology is not intended to take the place of reasonable precautions to prevent the transmission of pathogens. It is important to comply with all applicable public health laws and guidelines issued by federal, state, and local governments and health authorities as well as official guidance published by the Centers for Disease Control and Prevention (CDC) (<https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/prevention.html>), including but not limited to social distancing, hand hygiene, cough etiquette, and the use of face masks.

THE GPS ADVANTAGE

	GPS NPBI	OTHER BPI	CORONA DISCHARGE	HEPA FILTERS	CARBON FILTERS	ULTRAVIOLET (UV)	UV-PCO
Produces Harmful Byproducts	None	Yes	Yes	No	No	Yes	Yes
Reduces Airborne Particles	✓	Yes	Yes	Yes	No	No	No
Destroys VOCs	✓	Yes	Yes	No	Captures	No	Yes
Kills Pathogens	✓	Yes	Yes	No	Captures	Yes	Yes
Reduces Energy Cost	30%	Yes	Yes	No	No	No	No
UL 2998 No-Ozone Certified	✓	No	No	N/A	N/A	N/A	N/A
Treats In-Room Air	✓	Yes	Yes	No	No	No	No
No Replacement Parts	✓	No	No	No	No	No	No
Auto Self-Cleaning	✓	No	No	No	No	No	No
Simple to Install	✓	No	No	No	No	No	No
Low Total Cost	✓	Yes	No	No	No	No	No