GPS Needlepoint Bipolar Ionization Air Filters Installed

BIG 815 Bowling NEWS!!!!!

This wasn't cheap but it's the right thing to do. Your Rockford Area Bowling centers are some of the first bowling centers in the country to install the GPS needlepoint bipolar ionization air filtration system. Even after the current Covid times are over, this system will ensure our bowlers experience superior indoor air quality.



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(815) 389-2238

GPS offers revolutionary technology that fights pathogens and provides safer, cleaner air. Our patented needlepoint bipolar ionization (NPBI®) technology can be found in more than 250,000 installations worldwide.





UP TO THE TASK

We Love

Bowlers

GPS' NPBI technology works to safely clean the air inside buildings of many sizes and types.

TOP-FLIGHT TECHNOLOGY

GPS' technology has been designed and approved to operate in commercial and private aircraft, Aviation applications require passing the stringent RTCA DO-160 test proving the technology does not generate EMF. line noise or interfere with the avionics in any way, GPS' technology is used in many healthcare applications and will not cause interference with imaging equipment.

COMMON APPLICATIONS

- Healthcare
- · Schools & Universities
- Manufacturing
- · Office Buildings
- Airports
- Food Service
- Fitness
- · Arenas & Stadiums Hospitality
- Worship

A Proven Process to Clean the Air

The air around us is filled with particles like dust, dander, pollen, smoke, odors and even pathogens including mold, viruses and bacteria. Our patented NPBI technology cleans the air by introducing ions into the space via the airflow in your ventilation system.

Our technology delivers indoor air that's free of ozone and other harmful by-products. Through NPBI, GPS products improve the air by reducing airborne particulates, odors and pathogens.

TARGETS PARTICLES

space, such as an office or a schoolroom they combine with particles suspended in the air. This creates a snowball effect in which particles of opposite polarities begin to cluster together, which makes them easier to capture in filtration systems.



TACKLES ODORS

GPS' NPBI technology breaks down chemical, pet, cooking and other odors indoor air smelling fresh and substantially reducing odor-causing VOCs.



REDUCES PATHOGENS

During the NPBI process, contact with ions disrupts pathogens' surface proteins, rendering them inactive and unable to replicate



SAVES ENERGY

By keeping indoor air cleaner, NPBI outside to keep things fresh-saving you initial ventilation equipment costs and up to 30% on energy consumption

WHAT IS OZONE?

produce ozone, but GPS' NPBI technology does not.





Your Northern Illinois Bowling Centers - Investing in Clean Indoor Air Technology

GPS Needlepoint Bipolar Ionization Air Filters

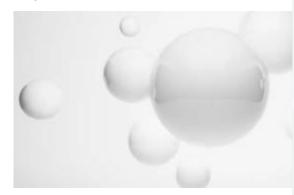
Cherry Bowl, Don Carter Lanes, Forest Hills Lanes, Park Lanes & Viking Lanes

GPS' NPBI technology cleans indoor air. This patented technology produces

a high concentration of positive and

negative ions, delivering them to the space via the ventilation system. Within the air stream, ions attach to particles, where they combine, become larger and are more easily filtered from the air. When ions come in contact with pathogens, they disrupt the pathogens' surface proteins, rendering them inactive.

Studies have proven the ability of GPS technology to reduce infectivity of certain viruses by **90%** or more*



WHAT IS AN ION?

An ion is a molecule or atom that is positively or negatively charged, meaning it must either gain or relinguish electrons in order to become neutral.

CLEANER AIR, NATURALLY

Naturally occurring ions are everywhere in the outdoors, and they are constantly working to clean the air. Ions are created with energy from rushing water, crashing waves and even sunlight. GPS' NPBI technology generates ions without producing ozone or other harmful by-products, so you can bring outdoor freshness to the indoors.

he use of this technology is not intended to take the place of reasonable precautions to prevent the transmission of pathogers. It is important to comply with all applicable public health laws and guidelines issued by federal, state three places and health authorities as well as diffi

The GPS advantage

Proven technology to fight pathogens.

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. Sensitivity testing is not a measure of pathogen inactivation in the air.

SIMULATION TESTING

Simulation testing measures in-air inactivation of pathogens. Counts of an airborne pathogen are taken before and after aerosolizing that pathogen into a sealed, unoccupied laboratory environmental room installed with NPBI technology.

SPECIALTY TESTING

Unoccupied laboratory test environments are designed to evaluate NPBI performance in conditions unique to particular industries or customers, and may include special circumstances such as higher than average ion concentrations. Review individual test results for details. The 2020 SARS-CoV-2 specialty testing conducted by Innovative Bioanalysis is not a measure of pathogen inactivation in the air.

Pathogen	Time in Chamber	Rate of Reduction	Test Agency	
Norovirus†	30 minutes	93.5%	ATS Labs	
Human Coronavirus 229E*	60 minutes	99.0%	Analytical Lab Group	
Legionella	30 minutes	99.7%	EMSL	
Clostridium Difficile	30 minutes	88.9%	EMSL	

Pathogen	Time in Chamber	Rate of Reduction	Test Agency	
Tuberculosis	60 minutes	69.1%	EMSL	
MRSA	30 minutes	96.2%	EMSL	
Staphylococcus	30 minutes	96.2%	EMSL	
E. coli	15 minutes	99.7%	EMSL	

l	Pathogen	Time in Chamber	Rate of Reduction	Test Agency
	SARS-CoV-2**	30 minutes	99.8% Inactivation rate measured on aluminum and other surfaces	Innovative Bioanaylsis

Please note that testing the reduction rate of SARS-CoV-2 with GPS' NPBI product is an evolving process and additional testing is anticipated to be conducted in the future. While this is not a surface disinfectant this testing demonstrates a decrease in active virus on surfaces through particle aggregation.

- † Surrogate for Norovirus, actual strain tested was Feline Calicivirus, ATCC VR-782, Strain F-9 *Human Coronavirus 229 is not SARS-COV-2 *Not an FDA Cleared Air Purification System

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 wher making an assessment regarding the technology's potential benefits.

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GPS NEEDLEPOINT BIPOLAR IONIZATION VS. OTHERS

	GPS NPBI	Other BPI	Corona Discharge	HEPA Filters	Carbon Filters	Ultraviolet (UV)	UV-PCO
No Harmful By-Products	•			•	•		
Reduces Airborne Particles	•	•	•	•			
Tackles VOCs	•	•	•		•		•
Reduces Pathogens	•	•	•	•	•	•	•
Reduces Energy Cost	•	•	•				
Treats In-Room Air	•	•	•				
No Replacement Parts	•						
No Maintenance	•						
Simple To Install	•						
Low Total Cost	•	•					