

What is PlasmaGuard™?

All of PlasmaGuard's™ technologies utilize cold plasma, which produces an electrostatic charge, an agglomeration, and a non-thermal flameless plasma. This results in the independently proven deactivation of viruses, bacteria and pathogens. This is the safest and best air purification method available for use throughout all buildings and transportation vehicles.

As 99% of small offices, large buildings and transportation vehicles currently use dust filters as defense systems, our proprietary and patented state-of-the-art air pollution control equipment has the highest possible removal rate and efficiency for toxic solid and liquid particles regardless of their chemical composition and size.



Nothing Else Comes Close!

How it Works

The Patented Process Delivers Pure Air to Doctor's Offices, Hospitals and Transportation Vehicles.

PlasmaGuard™ is the first line of defense to protect and increase air quality. Our ions deactivate the outer protein lipid bi-layers of almost all pathogens. It is the ultimate solution for anyone suffering from asthma, allergies, migraines, and boosts overall health, wellness, energy and productivity. Our systems can be ceiling mounted, or connects to any existing air duct system before or after the main HVAC unit.



WE SPEND 90% OF OUR TIME INDOORS

Research indicates that people spend approximately **90 percent** of their time indoors. Thus, for many people, the risks to health may be greater due to exposure to air pollution indoors than outdoors.

US EPA

99.994%

PlasmaGuard PRO inactivates SARS-CoV-2 (COVID-19) to 99.994% within minutes

PlasmaGuard PRO™ reduced SARS-CoV-2 (COVID 19) viruses by 49.5% after 15-minutes, and attained a 97% reduction after 30-minutes. At the 60-minute mark, the viral decay rate had already achieved 99.994% viral inactivation (>4 Log Reduction)

30% FEWER

Sick Building Symptoms and better environmental perceptions



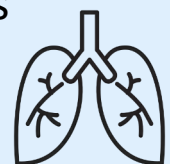
6.4% HIGHER

Increased Awareness and Sleep Quality Scores



Reduce Allergens and Asthma Triggers

PlasmaGuard™ reduces **99.8%** of all airborne allergens and **99.5%** of all airborne asthma triggers including: dust, pollen, smoke, bacteria, viruses, pathogens, etc.



| | PlasmaGuard ELT™ PlasmaGuard STAX™ | PlasmaGuard PRO™ | Typical Ionizers | Media Filtration | UV |
|---|---------------------------------------|------------------|------------------|------------------|----------|
| Destroys all Pathogens on 1st Pass | ✓ | ✗ | ✗ | ✗ | ✗ |
| Capture/Reduce Contaminants | ✓ | ✓ | ✗ | ✓ | ✗ |
| Significantly Reduces Surface Contamination | ✓ | ✓ | ✗ | ✗ | ✗ |
| Continuously Disinfects Ducts | ✓ | ✓ | ✗ | ✗ | ✗ |
| Reduces Odors | ✓ | ✓ | ✓ | ✗ | ✗ |
| Reduces VOCs | ✓ | ✓ | ✓ | ✗ | ✗ |
| Reduces Particles (PM) | ✓ | ✓ | ✓ | ✓ | ✗ |
| Effective on Bacteria, Viruses and Germs | ✓ | ✓ | ✓ | ✗ | ✓ |
| No Chemical or By-Products | ✓ | ✓ | ✓ | ✓ | ✗ |
| Maintenance | NONE | Bi-Annually | Bi-Annually | Quarterly | Annually |

Above The Rest

Traditional HEPA filters only seize pollutants and contaminants greater than 5 microns in size, but are not efficient enough to capture the highly harmful pathogens and contaminants that exist today. PlasmaGuard PRO™ works harmoniously with the HVAC unit and inactivates harmful pathogens and contaminants as small as 0.05 microns in size, ensuring that the purest air possible is always available to everyone.

Real-Time Monitoring

We are the only company that provides a sensor inside the room so you can visually detect and monitor particles in the occupied space. As particulates from .3 microns to 10 microns enter the room, the sensor will communicate with the PlasmaGuard PRO™ Generator to flood the room with ions to destroy and inactivate the particles.



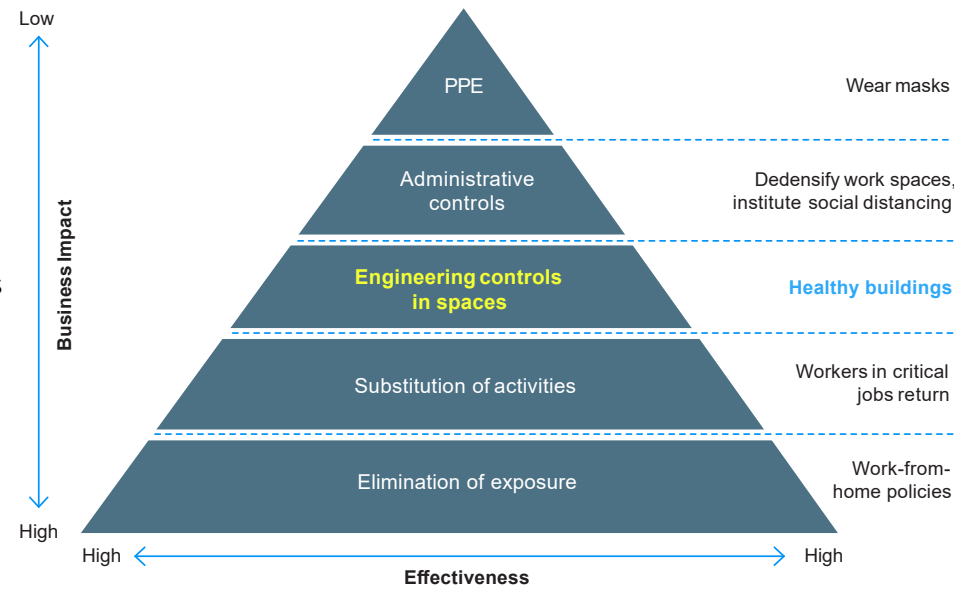
SPECIFICATIONS

| SPECIFICATION | PG-PRO |
|--|--|
| Supply Voltage | 100-240 VAC |
| Energy to operate | <10 Watts |
| Secondary Voltage (Ionization) | 4K-5K V |
| Capacity - Up to 3000 CFM | 300-1500 CFM (UL Test); >3000 CFM Capability |
| Capacity - Covers 2,000+ Square Feet | Yes |
| Central Duct-Mounted Installation | Yes |
| Method of Purification | Bi-Polar Cold Plasma Air Ionization |
| Eliminates Indoor Ozone | Yes - Patented "Ozone Depletion Mode" |
| Ozone Filtration | Yes - Patented Ozone Filter |
| Works on Demand from actual IAQ sensor readings | Yes |
| User Adjustable Clean Air Settings | Yes |
| 3rd Party Lab Validation on reduction of viruses, bacteria, pollens, etc | Yes |
| Visual Display of Air Quality by Color Code | Yes |
| Visual Display of Air Quality by Numeric Value | Yes |
| Pairs with IAQ Sensor | Yes |
| Built-in Ozone Sensor | Yes |
| Built-in Air Particulate Sensor | Yes |
| Real-Time Feedback | Yes |
| Cloud-Based IoT Connection Capability | Yes |
| Does System have ability to gather other sensor data of interest | Yes |
| Can System directly integrate with Home Automation technology | Yes |
| Can System directly integrate with Smart Phones | Yes |
| Can System Status be sent to Owner / Operator by text or email | Yes |
| Can System integrate with Smart Filter Sensor technology | Yes |
| UL Listed Device | Yes for UL 867, UL 2043 |
| UL Tested Ozone Output below CARB Standards of 50ppb | Yes (<10 ppb max) |
| FCC Compliance | Yes |

The Role Of Healthy Buildings in Reopening

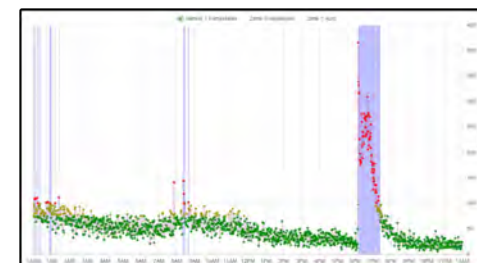
Creating a healthy building through engineering controls in spaces is a key component of combating COVID-19. It's a strategy that balances overall effectiveness with the financial impact it can have on the business.

Allen, J.G., & Macomber, J.D. (2020, April). "What Makes an Office Building "Healthy." Harvard Business Review



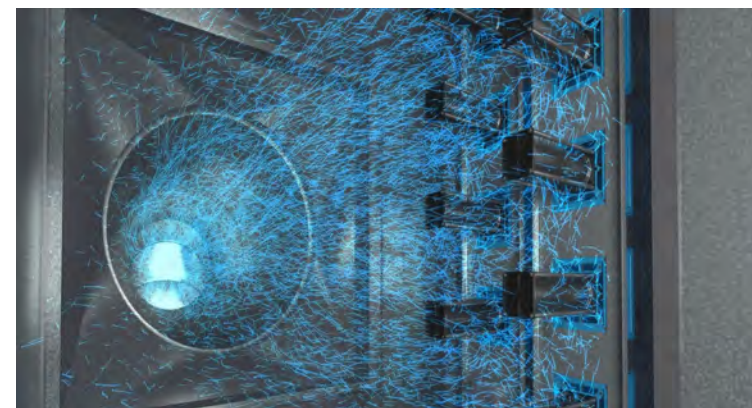
Monitor Your Air From Anywhere

The PlasmaGuard PRO™ system allows one to monitor your protected space 24/7 from your phone or computer. The PlasmaGuard™ systems continuously operating with your existing HVAC system. This ensures not only rapid pathogen/contaminant reduction, but also ensures that excess reactive ion species are always available in the air to rapidly respond to any air quality threat. This benefit ensures that the air is protected even before it enters the HVAC system. The PlasmaGuard PRO™ systems are designed to give you the ultimate confidence that your building has the cleanest air possible.



Protecting Employees & Guests

Our goal at PlasmaGuard™ is to protect the medical community and guests that visit healthcare facilities. Using the air flow from the existing HVAC fan, the PlasmaGuard PRO™ purification unit bombards the air with millions of air-cleaning oxygen ions, removing particulates, eliminating germs, and breaking down VOCs. The result is that every vent in your small office or building becomes its own air purification unit, treating indoor airborne pollution problems at the source. The purification unit uses the power of nature to clean, refresh, and energizes the air we breathe.



We Deliver Air Security When and Where You Need it Most



HVAC In-Line Duct System



Ceiling Mount System



PlasmaGuard PRO™ has an in-line HVAC or ceiling mounted air purification system. Each unit will cover up to 3,000 sq ft of area, but can be combined with other units for larger spaces. This ensures that your employees and guests are always breathing the cleanest air possible.

What We Protect and Serve

Common Areas and Guests Services



Waiting Rooms



Food Courts & Dining Facilities



Patient Rooms & Bathrooms

Specialty Rooms and Lecture Halls



Laboratories



Operating Rooms



Lecture Halls

Medical Buildings and Transportation



Transportation Vehicles



Doctor & Dentist Offices



Complete Medical Buildings