

PlasmaGuard™ technology works at the source of the problem, flooding every room with powerful long-life ions.

PlasmaGuard PRO™ Generator

PLASMA GUARD™
POWERED BY PuriFi Labs

PlasmaGuard works with the central HVAC system to purify the air and surfaces in the entire business or home.

Designed for use in residential, commercial, and industrial applications, the PlasmaGuard Generator is part of the PlasmaGuard intelligent air quality management system. It operates by continuously purifying the indoor environments during standard heating, cooling, and ventilation cycles and actively responds when a change is detected in indoor air quality. The PlasmaGuard Sensor notifies the SmartHub, and the Generator is signaled to respond.

The proprietary cold plasma energy core divides and charges the molecules in your system's airflow generating a high-volume, patented blend of natural, long-life, positive and negative ions without releasing harmful byproducts. The technology naturally deactivates tested viruses and bacteria in the air and on surfaces, effectively neutralizing odors and breaking down VOCs while driving aerosols and particulates out of the air.



Generator Quick Facts

- Eliminates up to 99.99% of tested viruses, allergens, odors, and bacteria in occupied environments*
- Reduces airborne aerosols and particulates in the breathing zone such as PM1, PM2.5, and PM10*
- Patented PlasmaGuard O₂ Catalyst converts unwanted ozone into oxygen*
- Reduced particulate levels are proven with the PlasmaGuard PM Sensor's laser particle counter
- 5-Year Limited Warranty

Test Report Findings

- Neutralized airborne SARS-CoV-2 by 75.1% in 14 minutes and 97.5% in 29 minutes*
- Inactivated static SARS-CoV-2 by 99.994% within 60 minutes*
- PlasmaGuard technology demonstrated a 95% greater decay rate on SARS-CoV-2 than air circulation alone*

*Testing was performed via duct mounted installation in a large, fully sealed unoccupied chamber ranging between 70-72 degrees F and 45-55% relative humidity. There is currently no way to universally prevent coronavirus infections. PlasmaGuard encourages following hygiene guidelines in the manner suggested by government authorities. To view complete test reports, visit: PlasmaGuardLLC.com/test-reports. Actual results may vary based on environment and occupied space.

Product Specifications

Physical Dimensions (Maximum) – H x W x D	12 x 8.5 x 14 inches (305 x 216 x 356 mm) – with Antenna 7.3 x 7.5 x 3.8 inches (185 x 191 x 97 mm) – Body Only
Weight including Mounting Bracket	5.0 pounds (2.3 kg)
Housing Material	Aluminum 5052
Mounting Bracket Material	Aluminum 5052
Maximum Internal Operating Temperature	150° F (66° C) Temporary Safety Shutoff; UL Certified to 180°F (82.2°C)
Input Voltage	100VAC – 240VAC; 50 or 60 Hz; NEMA 15 Receptacle
Input Current Protection	2A @120VAC, 1A @220VAC
Current Draw	0.10-0.25 Amps @120VAC
Power Consumption (Ionizing Mode)	14-20 Watts
Power Consumption (Ozone Depletion Mode)	3-5 Watts
Effective Area (Volume)	One Generator per 5 Tons of Cooling, 2000 CFM, or 2000-4000 sq. ft.
Air Flow Volume per Device (Max)	Up to 4000 CFM
Ozone Control Feature	Patented PlasmaGuard O2 Catalyst Converts Unwanted Ozone to Oxygen
High Voltage (HV) Transformer Output	5-7kVAC
Safety Features (Access)	Door Interlock Switch, Special Access Key
Safety Features (Operation)	Fan Monitoring (RPM), Current Monitoring of HV Transformer
Wireless Capability	2.4GHz ZigBee 802.15.4 Standard

PlasmaGuard Generator Unit Dimensions

