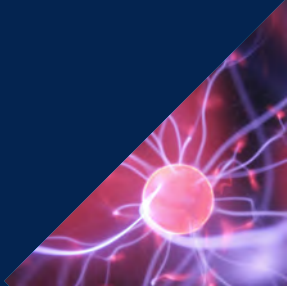


PLASMA  GUARD™

PRODUCT CATALOG



PLASMA GUARD™

PlasmaGuard™ is an air purification company using proven non-thermal cold plasma WESP technology to bring the purest air possible to everyone.

1500+

SUCCESSFUL PROJECTS

Over 1500 installations of the PlasmaGuard technologies....and we're just getting started."

3

INDEPENDENT SYSTEMS

PlasmaGuard™ has 3 independently proven pathogen elimination systems. All PlasmaGuard™ systems are designed and engineered to fit any system, anywhere and no matter the complexity.

99.9%

DESTRUCTION

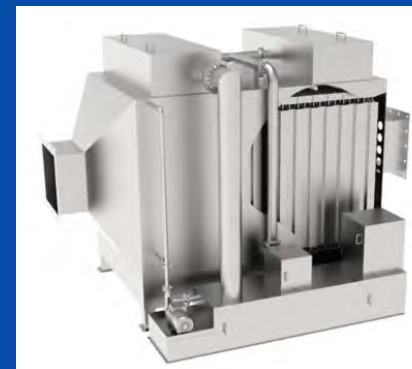
PlasmaGuard™ destroys 99.9% of pathogens and contaminants



Our Products

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 destruction of viruses, bacteria and pathogens. This is the safest and best air purification method available for use throughout all industries and buildings. Our system connects to any existing air duct system before or after the main HVAC unit.

PlasmaGuard's™ technologies has the ability to provide excellent destruction efficiency with an extremely small relative surface area to the amount of air flow. All of these benefits are regardless of the amount of inlet particulate load. These units efficiently purify everything from arenas to homes and everything in between. PlasmaGuard's™ industries pride themselves in overcoming any installation difficulties. Our units are UL tested and certified.



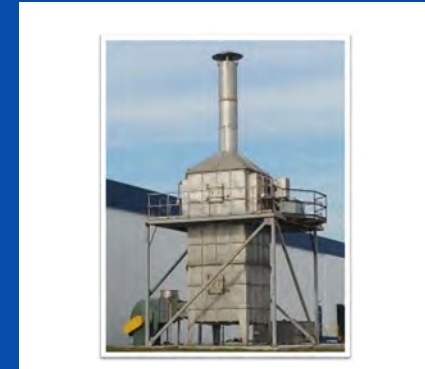
PlasmaGuard ELT™

"The ELITE is the ultimate single pass air purifier that provides 99.9% capture, destruction and self-cleaning of pathogens and harmful particulates."



PlasmaGuard PRO™

"The PRO is the most robust occupied space ionizer, air/surface purifier, and pathogen elimination system in the world"



PlasmaGuard STAX™

"STAX is the permanent solution to eliminate 99.9% of all harmful emissions in large scale stack applications."

PLASMAGUARD™ APPLICATIONS

PlasmaGuard Technologies are designed to protect employees and patrons in all situations including:

- Essential Office Buildings
- Hospitals
- Cruise Ships
- Nursing Homes
- Airports/ Bus & Train Stations
- Hotels and Resorts
- Schools / Lecture Halls
- Apartments / Condominiums
- Arenas / Conference Centers
- Theaters / Movie theaters
- Malls / Retail Locations
- Factories / Warehouses
- Incarceration Facilities
-and many more.

UNIQUE FEATURES AND BENEFITS

- Financing options are available to possibly lower your monthly payments
- Low maintenance costs
- No filters requiring replacements
- Significantly reduces dust cleaning required
- Clean air increases occupancy
- Provides employees the comfort and confidence to return to work
- Fewer employees becoming sick



PLASMAGUARD™ COMPETITIVE ANALYSIS

FEATURES	PlasmaGuard ELT	PlasmaGuard PRO	Media Filtration	UV	PCO	Carbon Filters
Destroys all Pathogens First Pass	✓					
Captures all Particles	✓					
Washes and Cleans Continuously & Automatically	✓					
Eliminates Dioxins & Furans	✓					
Industrial Strength	✓					
Handles Large Air Flow Volumes	✓					
60,000 Volts of Power	✓					
Eliminates Heavy Metals	✓					
Significantly Reduces Surface Contamination	✓	✓				
Continuously Disinfects Ducts	✓	✓				
Affects Contaminants "In the Space"	✓	✓				
Reduces Nox	✓	✓				
Reduces Odors	✓	✓				✓
Reduces VOCs	✓	✓				✓
Reduces Particles (PM)	✓	✓	✓			✓
Effective on Bacteria, Viruses and Germs	✓	✓		✓	✓	
Converts Ozone to Pure Oxygen	✓	✓				
Produces No Residual Ozone	✓	✓				
Low Pressure Drop	VERY LOW	LOW				
Maintenance	NONE	2 YEARS	QUARTERLY	YEARLY	YEARLY	BI-ANNUALLY
Fit to Existing HVAC System	NO	✓				
New Design and Retro-fit Applications	✓	✓		✓	✓	
Reduces Energy Costs	✓	✓		✓	✓	
No Chemicals Byproducts	✓	✓	✓			
Tested Contaminant Reductions in Occupied Space	✓	✓				
Integrated with Sensors and Monitors	✓	✓				

PlasmaGuard ELITE™

THE ONLY TECHNOLOGY THAT CAPTURES AND DESTROYS 99.9% ON THE FIRST PASS.

The PlasmaGuard ELITE™ system is a Non-Thermal Plasma Pathogen Elimination System ideal for high traffic facilities. It works by destroying all living pathogens with high voltage, using very little electrical energy, thus eliminating the problem. The system then captures and removes them through its self-cleaning design.

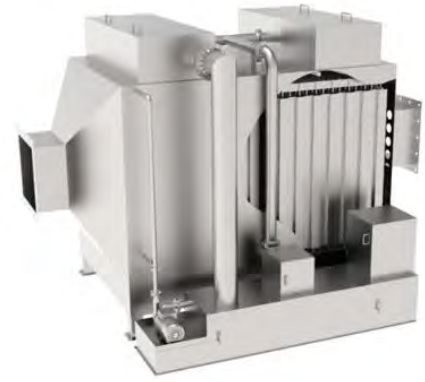
In the Marine industry, the PlasmaGuard ELITE™ system is ideal for treating the indoor air within marine vessels, creating a perfect clean environment for all passengers. Each PlasmaGuard ELITE™ unit comes with a 25 year warranty.

THE ULTIMATE INDOOR AIR PURIFICATION AND PATHOGEN ELIMINATION

WHAT DOES PLASMAGUARD ELITE™ DESTROY?

- ALL VIRUSES
- BACTERIA
- FUNGI / MOLDS
- ALLERGENS
- ASTHMA TRIGGERS
- DUST
- VOC's
- HEAVY METALS
- SO2, SO3, SOX
- DIOXINS
- FURANS
- ODORS

PLASMAGUARD ELITE™ SPECIFICATIONS AND STANDARD SIZES



Standard Sizes

Model	AAC-8	AAC-18	AAC-32	AAC-50	AAC-59	AAC-72	AAC-98	Custom
AIR FLOW (ACFM)	2,500	5,000	10,000	14,000	17,000	20,000	30,000	30,000 +
Unit in Tons (or Equivilant)	6	13	25	35	40	50	75	75 +
Unit in Square Feet	3,000	6,750	13,000	15,750	20,750	26,000	36,500	37,000 +
Unit Dimensions	Sized to Fit	Sized to Fit	Sized to Fit	Sized to Fit	Sized to Fit	Sized to Fit	Sized to Fit	Sized to Fit
INLET/OUTLET, F x G	18"x30"	32"x36"	48"x48"	60"x60"	60"x72"	72"x72"	84"x84"	Custom
CURRENT (MA)	50	100	200	250	300	350	500	Custom
VOLTAGE (KV)	60	60	60	60	60	60	60	Custom
PLASMA POWER (KW)	3	6	12	15	18	21	30	Custom
WASH WATER (GPM)	12	24	45	70	82	100	150	Custom
TOTAL CONNECTED POWER (KW)	8	11	17	20	23	26	35	Custom
OPERATING POWER (KW)	1	2	4	5.6	6.8	8	12	Custom

SPECIFICATION	PG-PRO
Supply Voltage	60 KV
Max Operating Pressure	20 IN W.C.
Line Voltage	All Standards Supported
Capacity	2,500 - 30,000 + ACFM
Capacity in square feet	3,000+
Central Duct-Mounted Installation	Yes
Method of Purification	Non-Thermal Cold Plasma WESP
Eliminates Indoor Ozone	Yes
Opacity Reduction	99.9%
Heavy Metal, Mercury, Dioxins/Furans Removal	99.9%
SO2 Removal	99.9%
Back Pressure	0.5 in W.C.
Physical Dimensions	6'x6'x15'
Design	Vertical

Financing options are available

PlasmaGuard PRO™

INTELLIGENT, RESPONSIVE AIR QUALITY MANAGEMENT

The PlasmaGuard PRO™ system, is an air and surface purification solution that cleans indoor air and surfaces of viruses, allergens, pathogens, odors, smoke, mold, ozone, and harmful chemicals. It deactivates and destroys the structure of viruses and bacteria, including coronavirus surrogates, E. coli, norovirus, and more.

Using the air flow from your 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 home or small office 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 energize** the air you breathe.



PLASMAGUARD PRO™ 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

Financing options are available

PlasmaGuard STAX™

PLASMAGUARD STAX™ CONNECTS DIRECTLY INTO INDUSTRIAL EXHAUST STACKS FOR OUTDOOR HARMFUL EMISSIONS ELIMINATION AND PURIFICATION

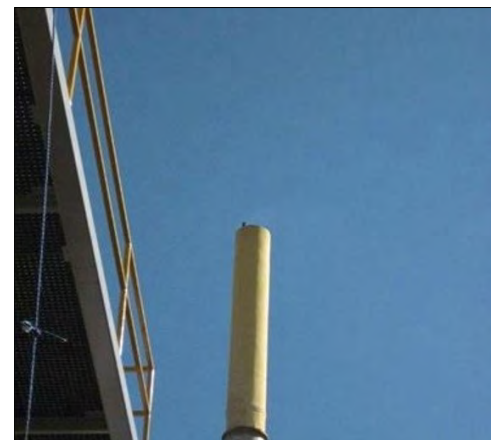
PlasmaGuard STAX system eliminates harmful particulates from emission streams down to sub-micron (0.1) size by applying an electrostatic charge to the particles. The particles are then destroyed, converted and/or captured for proper removal from the air stream.

Using a high-voltage electric field, our system eliminates harmful emission molecules to meet even the most demanding applications. It maintains excellent long-term performance with the ability to effectively achieve greater than 99.9% removal efficiency, far exceeding other industrial scrubber technologies on the market.

BEFORE



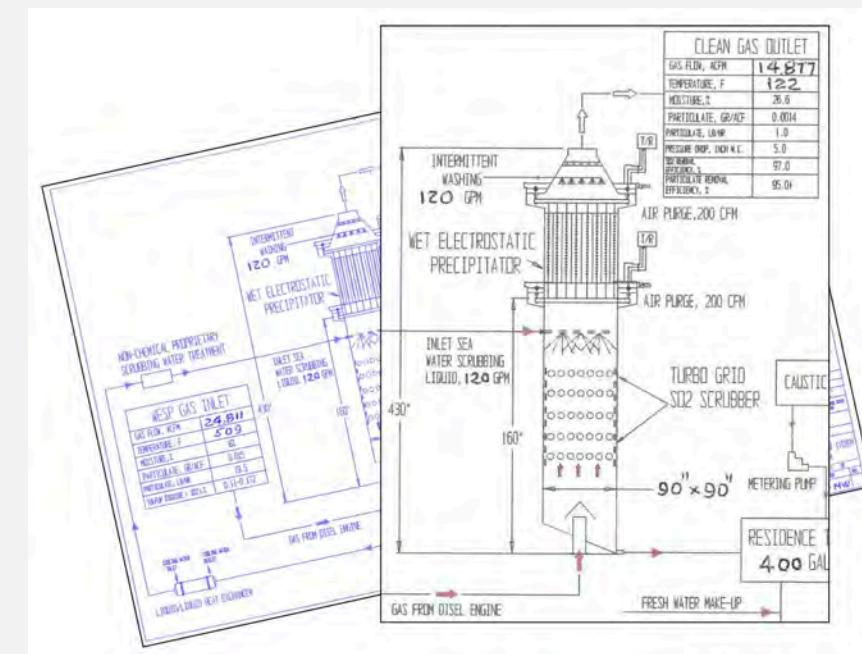
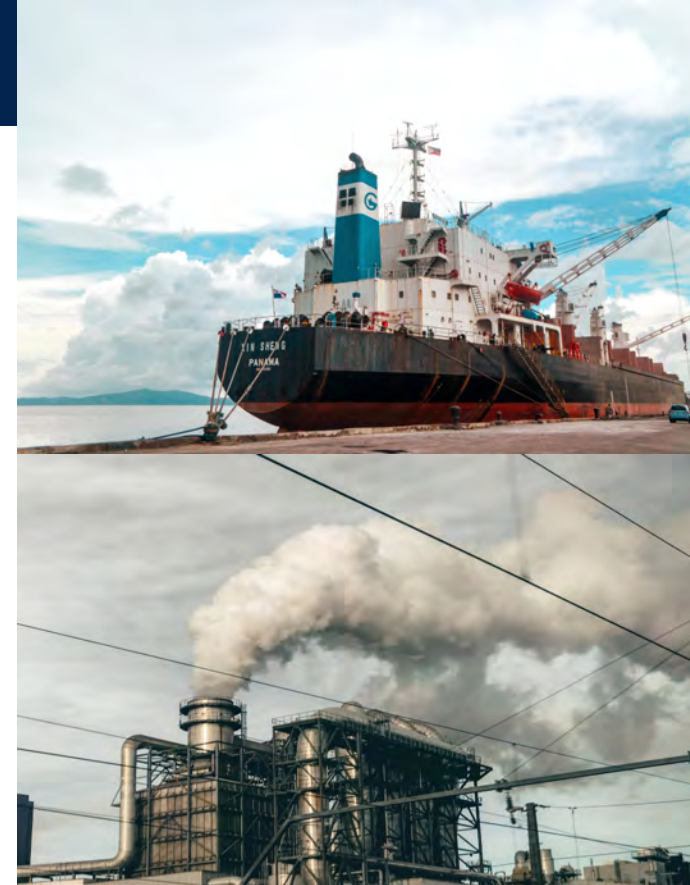
AFTER



99.9% OPACITY REDUCTION

PLASMAGUARD STAX™ BENEFITS

- Heavy metals, mercury, dioxins/furans removal with 99.9% efficiency
- Sox removal 99.9%
- Odor Control
- Non catalytic low temp Nox technology yields 50%+ reduction
- Gas quench and scrubbing of acid gases of high temp exhaust systems
- In-Stack installations
- Condensable VOC (oil smoke) will be completely removed and collected for reuse.



Financing options are available

PLASMA GUARD™

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Ann Arbor, Michigan 48103

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