

Specification Sheet



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

PlasmaGuard STAX™ Overview

The PlasmaGuard STAX™ 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 the structure of viruses and bacteria, including coronavirus surrogates, E. coli, norovirus, and more.

Using the air flow from your existing HVAC fans, the PlasmaGuard STAX™ 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 facility 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 you breathe.

**25 YEAR**  
**LIMITED**  
**WARRANTY**

**99.9%**  
**REMOVAL OF**  
**PATHOGENS**

**99.9%**  
**REMOVAL ALL**  
**AIRBORNE**  
**ALLERGENS**

The PlasmaGuard STAX™ 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.

PlasmaGuard STAX™ systems are ideal for treating the indoor air within arenas, industrial plants, commercial buildings, hospitals, etc. while creating a perfectly clean environment for everyone. Each PlasmaGuard STAX™ unit comes with a 25 year warranty.

## Specifications and Sizes

SPECIFICATION	PG-STAX
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

## Designed For You

The PlasmaGuard STAX™ design is unique in that it can be scaled up and down to fit your engineering requirements. Currently the smallest size of building starts at 3,000 sq.ft., and we have no limit to how big a unit can be manufactured. The design can be implemented in stadiums, hospitals, schools, offices, factories, etc. PlasmaGuard STAX™ is made out of the best special high-quality alloy materials and has a 25 year warranty. PlasmaGuard STAX™ combines the best in engineering, quality and adaptability to provide you the confidence of knowing you have installed the best solution possible for your air purification needs.

PlasmaGuard STAX™ was designed as the final air purification solution for all large industrial and commercial buildings. Each system is independently designed and engineered for the most rugged and demanding applications to deliver 99.9% purified and safe air consistently. Each system is self cleaning, consumes very low power and comes with a 25 year warranty. Each system only uses the best available metal alloys for long life and maintenance free operation. All controls can be monitored and modified by the end user based on the demand and changes of the spaces occupancy and anticipated contaminant load. All PlasmaGuard STAX™ will fully integrate into the existing HVAC systems with minimal intrusions or modifications.

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