

GPS-FC48-AC™

4,800 CFM Auto-Cleaning Needlepoint Bipolar Ionization System



Product Description

The GPS-FC48-AC is an auto-cleaning, no maintenance, needlepoint bipolar ionization system designed to handle up to 4,800 CFM. The unit is designed for multiple mounting options including fan inlet, interior duct wall or interior duct floor. The all-composite and carbon fiber construction allows the product to be mounted in corrosive environments.

Standard Features

Universal voltage input, in-line On/Off switch, programmable auto-cleaning cycle, plasma on indication light, alarm contacts, magnets for ease of installation and replaceable carbon fiber brush emitters.*

*Life cycle testing shows no mechanical degradation of the carbon fiber brushes due to repeated cleaning cycles

Benefits

☑ Particle Reduction and Smoke Control

☑ Odors Neutralized by destroying VOCs

☑ Pathogens Killed (Bacteria, Viruses, Mold), Helps to Control Allergens/ Asthma*, Prevents Dirty Sock Syndrome

☑ Energy Savings of 30% by Reducing Outdoor Air Intake by up to 75%, reduces pressure loss by keeping coils clean without expensive UV system, and requires No Maintenance!

*These statements are based on numerous customer testimonials and have not been evaluated by the FDA

Specifications

Input Voltage	24VAC to 240VAC
Amps	0.41A to 0.041A
Power	10 Watts
Frequency	50/60HZ
Total Ion Output	> 400 Million ions/cc/sec
Airflow Capacity	0 to 4,800 CFM or up to 12 tons
Temperature/Humidity	-20°F to 200°F / 0-100% RH
Unit Dimensions/Weight	11.1"L x 1.84"W x 3.52"H / 1.32 lbs
Electrical Listings	UL, cUL, CE
Alarm Contact Rating	250VAC/ 1A
Compliance & Certifications	UL 867, OSHPD Seismic (OSP), IAQP

Commercial Applications

- Schools and Universities
- Arenas and Stadiums
- Transportation Hubs
- Office Buildings
- Manufacturing
- Food Service
- Animal Care
- Institutional
- Senior Care
- Healthcare
- Hospitality
- Child Care
- Worship
- Theatre

The Challenge:

IAQ (Indoor Air Quality) was likely bad as the EPA says IAQ is 2-5X worse than outside air!

The Solution:

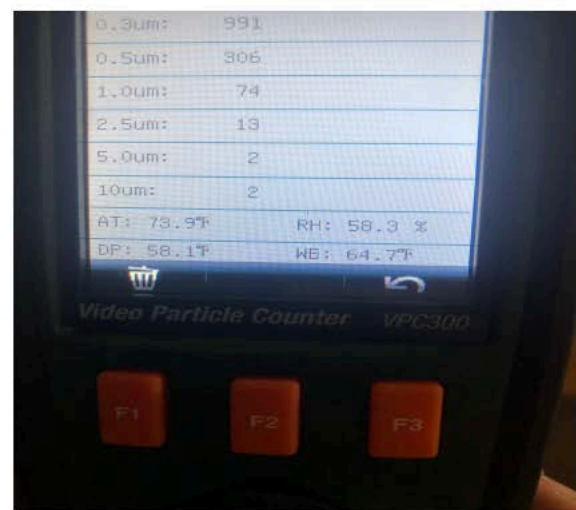
Installation of 2-FC-48's in a 20 Ton HVAC System would be the next step!

Little did we know that particle counts would be reduced 30% in 1.5 hours, overall 83%+ reduction in 1.5 Weeks!

Pre-test Particle Counts



Post-test Particle Counts



Independent Laboratory Testing Results Summary



PATHOGEN	TIME IN CHAMBER	RATE OF REDUCTION	TESTING LAB
SARS-CoV-2	30 MINUTES	99.4%	INNOVATIVE BIOANALYSIS creating solutions getting results
Norovirus*	30 MINUTES	93.5%	ATS LABS EXCELLENCE IN ANTIMICROBIAL TESTING
Human Coronavirus**	60 MINUTES	90.0%	ALG ANALYTICAL LAB GROUP
Legionella	30 MINUTES	99.7%	EMSL
Clostridium Difficile	30 MINUTES	86.8%	EMSL
Tuberculosis	60 MINUTES	69.0%	EMSL
MRSA	30 MINUTES	96.2%	EMSL
Staphylococcus	30 MINUTES	96.2%	EMSL
E. Coli	15 MINUTES	99.6%	EMSL

* Surrogate for Norovirus, actual strain tested was Feline Calicivirus, ATCC VR-782, Strain F-9

** Surrogate for Human Coronavirus SARS-CoV-2, actual strain tested was Human Coronavirus 229E