



# PURGE VIRUS

STAY SAFE and HEALTHY

## PV-BPI-400M-ICC

### PRODUCT DATA SHEET

*4,800 CFM Auto-Cleaning Needlepoint Bipolar Ionization System*

**PRODUCT DESCRIPTION:** This auto-cleaning, needlepoint bipolar ionization system is 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.

**STANDARD FEATURES:** Universal voltage input, in-line On/Off switch, programmable autocleaning cycle, operation status LED, integral Building Automation System (BAS) 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*

### SPECIFICATIONS

**Input Voltage:** 24V to 240V AC/DC

**Amps:** 0.41A to 0.041A

**Power Consumption:** 10 Watts

**Frequency:** 50/60HZ

**Total Ion Output:** > 400 Million ions/cc

**Airflow Capacity:** 0 to 4,800 CFM or up to 12 tons

**Temperature Range:** -20°F to 200°F

**Humidity Range:** 0-100% RH

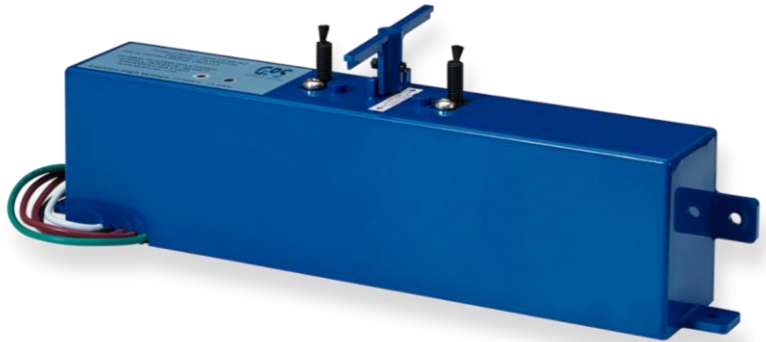
**Unit Dimensions:** 11.1"L x 1.84"W x 3.52"H

**Weight:** 1.32 lbs

**Alarm Contact Rating:** 250VAC/ 1A, N.O. "dry" contact

**Electrical Listings:** UL, cUL

**Compliance & Certifications:** UL 867, OSHPD Seismic (OSP), IAQP, CE





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**BENEFITS:** Particle Reduction and Smoke Control, Odors Neutralized by destroying VOCs, Pathogen inactivation (Bacteria, Viruses, Mold), Helps to Control Allergens/ Asthma\*, Prevents Dirty Sock Syndrome. *\*These statements are based on numerous customer testimonials and have not been evaluated by the FDA*

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

### FIVE KEY ADVANTAGES to Bipolar Ionization (BPI)



**REDUCE  
PARTICLES**



**REDUCE  
PATHOGENS**



**NEUTRALIZE  
ODORS**



**SAVE  
ENERGY**



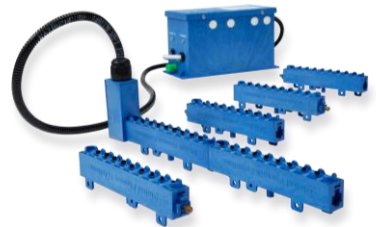
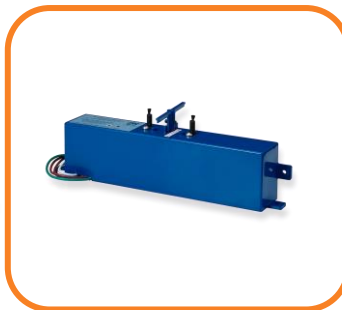
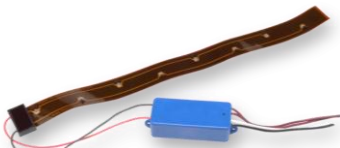
**SAVE  
TIME**

**COMMERCIAL APPLICATIONS:** Animal Care, Arenas and Stadiums, Child Care, Food Service, Healthcare, Hospitality, Institutional, Manufacturing, Office Buildings, Schools and Universities, Theatre, Transportation Hubs, Senior Care, Worship, and more.

### BPI – Sample Devices (for comparison)



carbon  
fiber ion  
emitters



The special carbon fiber ion emitters are soldered into the circuit traces for the ribbon devices (ideal for ductless HVAC) and the emitters are mounted on the other devices for ducted HVAC

Designed for  
3,200 CFM or 8 tons  
(e.g. PTACs) This ribbon system  
comes in 18" and 36" lengths

**Ion Production:**

> 35 Million +/- Ions/cc /ft.

Designed for  
4,800 CFM or 12 tons  
ideal for mid sized HVAC  
systems.

**Ion Production:**

> 400 Million +/- Ions/cc

Designed for large HVAC e.g.  
8,000 CFM / 20 tons or larger  
(any length up to 240 inches in 6-inch  
increments: 50–250 CFM per inch of bar.)

**Ion Production:**

> 840 Million +/- Ions/cc per 6 in.