

PV-BPI-MOD-140M-ICC

PRODUCT DATA SHEET

Modular Needlepoint Bipolar Ionization Air Purification System

PRODUCT DESCRIPTION: This modular needlepoint bipolar ionization system is field assembled to any length required up to 240 inches in 6-inch increments. The composite and carbon fiber construction allows it to be mounted in corrosive environments.

STANDARD FEATURES: Power Supply: Voltage Selector Switch, Illuminated On/Off Switch, Plasma On Indication Light, Six HV Output Ports, Alarm Contacts, Auxiliary Terminals for connection of an optional Ion Sensor. The modular bar: 6" Sections, Nine Brushes per Section, up to 240" Total Length, Magnets for Easy Mounting.

SPECIFICATIONS

Input Voltage: 24/120/208-240VAC

Amps: 0.5A/0.12A/0.065A

Power Consumption: Output Voltage
5.0kV RMS

Frequency: 50/60HZ

Total Ion Output: >140M ions/cc/sec per inch of bar

Airflow Capacity:

Temperature Range: -40°F to 200°F

Humidity Range: 0-100% RH

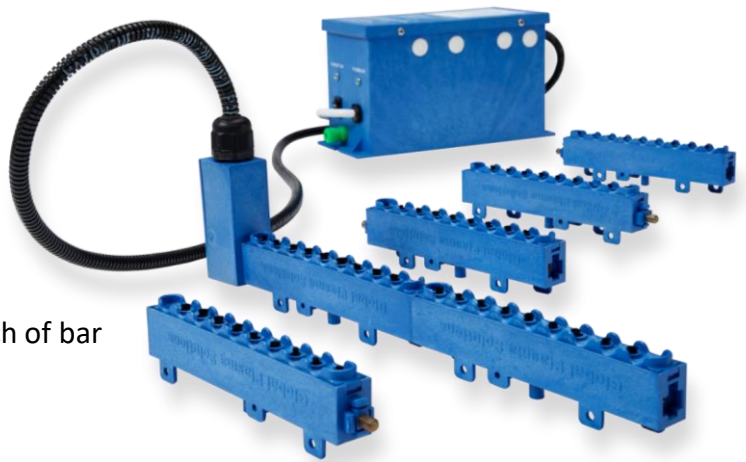
Unit (Power Unit) Dimensions: 9.0"L x 3.25"W x 4.75"H

Weight (Power Unit): 4.63 lbs

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

Electrical Listings: UL, cUL, CE

Compliance & Certifications: UL 2998, UL 867, IAQP, OSHPD Seismic (OSP)



Power Entry: UL Listed, Plenum Rated
Line Cord with 3 Prong Plug

Bar Weight: 0.24 lbs per 6" section
Bar Section Dimensions: 6.0"L* x
0.75"W x 1.6"H

*Length = 6.0" x # of Mods + 1.20"

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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**



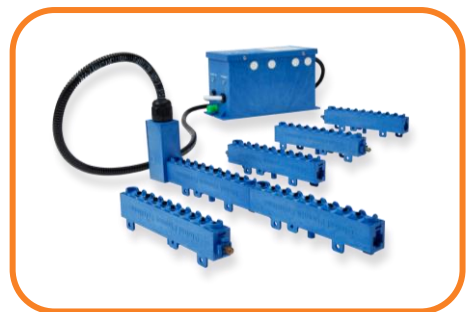
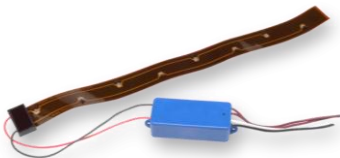
**SAVE
TIME**

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.