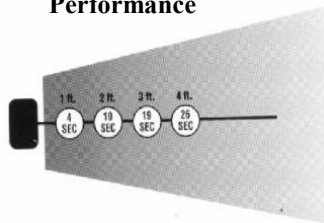


Botron Local Area Ionization Blower **B486432**. The B486432 steady state DC technology, intrinsically balanced; no calibration needed. Facility Monitoring System (FMS) on enhanced **B486432e** model. Enhanced model offers an Alarm LED red, which indicates a high voltage failure and a five pin monitoring system interface. The FMS interface provides a 4-20mA current loop and relay output connection with easy integration with process equipment. It controls static charge wherever contamination, electrostatic discharge (ESD), material-handling problems or microprocessor lock-up are concerns in the manufacturing environment. **Disclaimer.** All statements of technical information are believed to be true and are based upon tests we believe to be reliable. The proper use and application for this product must be the responsibility of the user. The statements herein shall have no force or effect.



B486432

Performance



B486432e if used

Back

Features

- IsoStat® Technology
- Steady-state DC ion emission
- Alarm relay closure circuitry (B486432e)
- Multicolor LED indicator

Benefits

- Intrinsically balanced and never needs calibration
- Efficient ion delivery at the workstation
- Reduces manual emitter point cleanings
- Alarm notification output communicates system failure to a remote location
- Visual performance indicator: Green for normal operation and red signals a catastrophic alarm (on enhanced only)

Patented IsoStat Technology

Patented IsoStat technology guarantees intrinsically balanced ionization and eliminates complicated feedback circuits. Ionizers incorporating this technology never need calibration and require very little maintenance. IsoStat is based on a law of physics, *Conservation of Charge*, which states that charge cannot be created or destroyed in an isolated system. By isolating the ionizer's emitter points from ground, IsoStat ensures equal numbers of positive and negative ions to better protect sensitive products.

Power Options

For increased flexibility, the B486432e blower can be powered by your process equipment or 24VDC/Vac power.



B48115PVS

SPECIFICATIONS

Input 24 VAC, 6 watts

Power

Indicator Multicolor LED: Power on green, alarm-red on (6432e)

Ion Emission Steady-state DC

Emitter Points Tungsten wire; 2-year life

Ion Balance Better than ±15 volts at 1 foot*

Discharge Time < 3 seconds @ 1 foot*

Air Volume 49 CFM typical

Ozone <0.005 ppm (24-hour accumulation)

Mounting small in-tool bracket/stand

Dimensions 5.3"H x 5"W x 2.5"D

Weight 21oz. (595g)

Operating Temperature Range 68-77F (20-25C)

Environment Humidity 30-50% RH (non-condensing)

Warranty 2-year limited warranty

Certifications, UL

Transformer 14-1320

Input voltage 120vac 60hz

Output 24vac

Certifications CE

- B486432** local area bench top blower (order cord)
- B486432C** 14-1320 transformer and cord
- B486432e** Enhanced local area bench top blower (order cord)
- B486442** bench top blower 2 speed w/cord
- B486420** Point of use mini-blower (order cord)
- B486420C** 14-1310 transformer and cord
- B486460/44** overhead 3 fan blower
- B486460/32** overhead 2 fan blower
- B486115** blow-off gun (order transformer)
- B486115T** transformer for gun
- B48775PVS** ionization test kit

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LOCAL AREA & ENHANCED BLOWER

S486432 & S486432e