

Botron Bench Mini Blower **B486420**. The Model B486420 Mini Blower features compact size, low voltage (24VAC) with shielded emitter points. The small footprint of the Model B486420 allows the ionizer to occupy much less workspace than traditional bulky blowers. With its universal mounting bracket/stand, the unit can be used to control static charge in virtually any location. The Model **B486420** features IsoStat technology¹ for intrinsically balanced ionization, eliminating the need for periodic calibration regardless of variations in line voltage. 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.



B486420

Small & Versatile

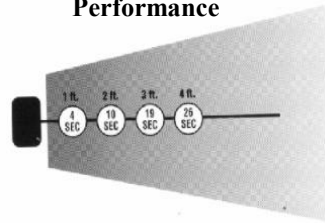
The B486420 is designed for confined spaces. Cleanroom-compatible.

Must order Transformer separately B486420C

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.

Performance



**Small and powerful
4.5"x 3.3" x 2.5"**

Features

- IsoStat® Technology
- Steady-state DC ion emission
- Auto Clean System
- Alarm relay closure circuitry
- 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

Periodic Verification System



B48115PVS

SPECIFICATIONS

Input 24 VAC, 5 watts from 1310 transformer
Power
Indicator Green LED:
Ion Emission Steady-state DC
Emitter Points Tungsten; 5-year life
Ion Balance Better than ±20 volts at 1 foot*
Discharge Time < 6 seconds @ 1 foot*
Air Volume 22 CFM maximum
Ozone <0.005 ppm (24-hour accumulation)
Mounting Universal (L) bracket
Dimensions 4.5"H x 3.3"W x 2.5"D
Weight .75 lbs.
 Warranty 2 years limited
Operating Temperature Range 68-77F (20-25C)
Environment Humidity 30-50% RH (non-condensing)
Warranty 2-year limited warranty
Certifications, CE
Wall Transformer 14-1310 (B486420C)
Output 24VAC, 1.0 amp
Cabling 8' cable with RJ-11 connectors

- B486420** Point of use mini-blower (order cord)
- B486420C** 14-1310 transformer and cord
- B486442** bench top blower 2 speed w/cord
- B486432** local area bench top blower (order cord)
- B486432C** 14-1320 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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MINI POINT OF USE BLOWER

S486420