



Local Area Ionizing Blower

Model 6432, 6432e



High performance and efficiency for workstation and in-tool ionization.

Features

- IsoStat® Technology
- Steady-state DC ion emission
- 24 VDC or 24 VAC input
- Facility Monitoring System (FMS) interface
- Operational failure alarm (Model 6432e only)
- Small footprint design with in-tool stand or benchtop stand

Benefits

- Intrinsically balanced; no calibration needed
- Efficient ion delivery
- Connect directly to your process equipment's power source
- Integrates 4-20 mA current loop and relay output to your monitoring system
- Notification of any operational failures
- Takes up little work or tool space; cleanroom-compatible (minimizes disruption of laminar flow)

Versatile Ionization

The Local Area Ionizing Blower Model 6432 and Model 6432e¹ control static discharge in assembly, inspection, packaging areas, and in-tool wherever static build-up can cause contamination, ESD, material-handling problems or microprocessor lock-up.

High Reliability




Patented IsoStat technology makes Ion Systems' blowers the most reliable ionizers available. IsoStat characteristics include small size and operation without grounding wires or cables while still maintaining ionizer balance. The 6432(e)'s internal emitter points are electrostatically shielded to eliminate field-induced charging. Steady-state DC ion emission to provide fast discharge with low airflow for greater operator comfort, the Model 6432(e) blower offers the best of IsoStat technology.

Footnotes


1. Where Model 6432(e) is cited, both models are indicated.

Model 6432(e)


Specifications

Input	24 VDC ($\pm 10\%$), 6 watts max.or 24 VAC ($\pm 10\%$), 50-60 Hz, 6 watts max.
Indicators	Green power LED; red alarm LED available on Model 6432e
Ion emission	Steady-state DC
Emitter points	Tungsten wire; internally shielded
Airflow	49 CFM, typical
Ozone	<0.005 ppm (24-hour accumulation)
Mounting	Small in-tool bracket/stand (1.8 x 5.1 in./45 x 129 mm); large benchtop stand (4.1 x 5.1 in./ 108 x 129 mm); both with 1/4" mounting hole and 10-32 truss head screws
Dimensions	5.3H x 5.0W x 2.5D inches (133 x 127 x 63 mm); small bracket base is 1.8" (45 mm); large stand base is 4.1" (108 mm).
Weight	21 oz (595g) with large stand
Warranty	2-year limited warranty
Certifications	  



Transformer 14-1320

Input voltage	120 VAC $\pm 10\%$, 60 Hz
Output	24 VAC @450 mA
Dimensions	2.4" H x 2.2" W x 1.6" D (61 x 56 x 41 mm)
Certifications	

Transformer 14-1330

Input voltage	230 VAC, 50 Hz
Output	24 VAC @750 mA, $\pm 5\%$
Dimensions	2.8H x 2.5W x 1.9D in. (71H x 64W x 48D mm)
Certifications	

AC Adapter 14-1322

Input voltage	90-264 VAC, 50 Hz
Output	24 VAC @ 417 mA
Dimensions	1.4H x 2.1W x 3.4L in. (36H x 53W x 86L mm)
Certifications	 

Patented IsoStat Technology

Ion's 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.



Enhanced Features

In addition to the standard features on the Model 6432, the enhanced Model 6432e offers an alarm LED on the front of the blower that indicates a high voltage circuitry failure and a five-pin facility monitoring system (FMS) interface. The FMS interface provides a 4-20 mA current loop and relay output connection. Together with the 24 VDC input connection, the FMS output is situated on a convenient terminal block, designed for easy integration with your process equipment.



The Models 6432 and 6432e are offered with smaller in-tool stands (shown here) or larger benchtop stands.

Power Options

For increased flexibility, the Model 6432(e) Blower can be directly powered by process equipment or 24 VDC/VAC power to fit the needs of your environment. Two transformers are available: 120 VAC/60 Hz (transformer 14-1320) or 230VAC/50 Hz (transformer 14-1330).



invisible problems
visible results

Ion Systems

1005 Parker Street, Berkeley, CA USA 94710
Telephone 510.548.3640 or 800.367.2452
Fax 510.548.0417
www.ion.com

ISO 9001
CERTIFIED

Ion Systems' logo is a registered trademark of Ion Systems.
© 2004 Ion Systems. Printed in the USA V3