



# Point of Use Ionizing Blower

## MODEL 6432 / 6432e

The Point of Use 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.

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.





## Features and Benefits

- Patented IsoStat® technology
- Intrinsicly balanced; no calibration needed
- Steady-state DC ion emission
- Efficient ion delivery
- 24 VDC or 24 VAC input
- Connect directly to your process equipment's power source
- Facility Monitoring System (FMS) interface (Model 6432e)
- Integrates 4-20 mA current loop and relay output to your monitoring system
- Operational failure alarm (Model 6432e)
- Provides visual notification of any operational failures
- Small footprint design with in-tool stand or benchtop stand
- Occupies little work or tool space; cleanroom-compatible (minimizes disruption of laminar flow)

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



# Specifications

Point of Use Ionizing Blower Model 6432/6432e	
<b>Input voltage</b>	24 VDC ( $\pm 10\%$ ), 6 watts max. or 24 VAC ( $\pm 10\%$ ), 50-60 Hz, 6 watts max.
<b>Indicators</b>	<i>Model 6432:</i> green power LED; <i>Model 6432e:</i> green power LED and red alarm LED
<b>Ion emission</b>	Steady-state DC
<b>Emitter points</b>	Tungsten wire; internally shielded
<b>Airflow</b>	49 CFM, typical
<b>Discharge</b>	$\pm 1000$ -100V less than 4 seconds at 1 foot <sup>1</sup> (using 24 VAC)
<b>Balance</b>	$\pm 20$ V at 1 foot away
<b>Ozone</b>	<0.005 ppm, typical (24-hour accumulation)
<b>Mounting</b>	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
<b>Dimensions</b>	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)
<b>Weight</b>	21 oz (595g) with large stand
<b>Warranty</b>	2-year warranty
<b>Certifications</b>	
Transformer 14-1320	
<b>Input voltage</b>	120 VAC $\pm 10\%$ , 50-60 Hz
<b>Output</b>	24 VAC, 60 Hz @ 450 mA, $\pm 5\%$
<b>Dimensions</b>	2.4H x 2.2W x 1.6D in. (61 x 56 x 41 mm)
<b>Certifications</b>	
Transformer 14-1330	
<b>Input voltage</b>	230 VAC $\pm 10\%$ , 50 Hz
<b>Output</b>	24 VAC @ 750 mA, $\pm 5\%$
<b>Dimensions</b>	2.8H x 2.5W x 1.9D in. (71H x 64W x 48D mm)
<b>Certifications</b>	
AC Adapter 14-1322	
<b>Input voltage</b>	120-240 VAC $\pm 10\%$ , 50/60 Hz
<b>Output</b>	24 VDC @ 400 mA
<b>Dimensions</b>	1.4H x 2.1W x 3.4L in. (36H x 53W x 86L mm)
<b>Certifications</b>	

<sup>1</sup> Tested in accordance with ANSI/ESD STM3.1-2000

## 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.



## 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. For 100-120 VAC input power, use transformer 14-1320; for 240-260 VAC, use 14-1330; for applications where DC input power is preferable, use AC/DC adapter 14-1322



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

## Ordering Information

<b>91-6432</b>	Standard blower
<b>91-6432e</b>	Enhanced blower with alarm indicator light and FMS
<b>32-6433</b>	Benchtop stand
<b>32-6434</b>	In-tool stand
<b>14-1320</b>	24 VAC 120V 60 Hz transformer
<b>14-1330</b>	24 VAC 230V 50 Hz transformer
<b>14-1322</b>	24 VDC 120/230V 50/60 Hz AC-DC adapter