



# Point-of-Use Ionizing Blower

## MODEL 6432e

Simco-Ion's Point-of-Use Ionizing Blower Model 6432e controls static discharge in assembly, inspection and packaging areas. The Model 6432e can also be used in-tool to control static build-up problems such as product contamination, material mishandling or microprocessor lock-up.

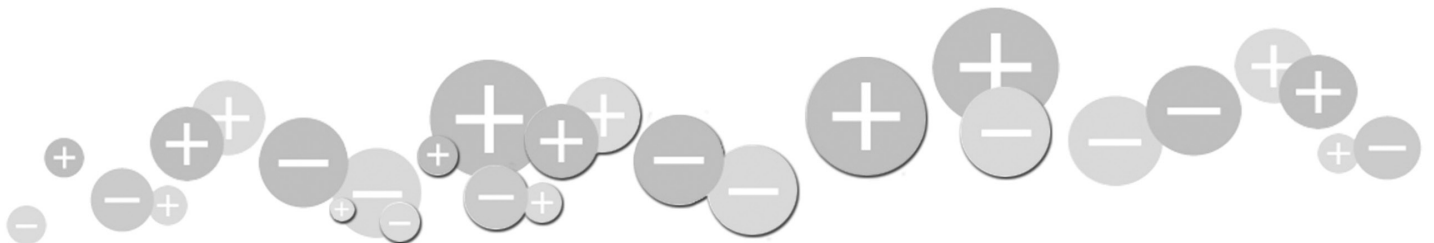
While Steady-state DC operation provides fast discharge with low airflow for greater operator comfort, IsoStat<sup>®</sup> Technology provides several useful benefits for the 6432e Blower. Its small size and ability to operate in balance without grounding wires or cables allows easy and quick installation and setup. The Blower's internal emitter points are electrostatically shielded to eliminate field-induced charging.







### Features

- IsoStat Technology
- 24 VDC or 24 VAC input power
- Small footprint design with benchtop or in-tool mounting stand
- Facility Monitoring System (FMS) interface
- Operational failure alarm

### Benefits

- Intrinsically balanced; no calibration needed
- Convenient power options, well-provided AC or tool-provided DC
- Occupies little work or tool space; cleanroom-compatible (minimizes disruption of laminar flow)
- Faster response to ionization failure with notification through tool or facility monitoring system
- Provides visual notification of any operational failures



Model 6432e	
<b>Input Voltage</b>	24 VDC (±10%) or 24 VAC (±10%), 50-60 Hz, 6W max
<b>Discharge<sup>1</sup></b>	24 VAC Input: <4 sec @ 12" (30.5 cm); ±1000-100V 24 VDC Input: <5 sec @ 12" (30.5 cm); ±1000-100V
<b>Balance</b>	±20V @ 12" (30.5 cm) away
<b>Ion Emission</b>	IsoStat Technology
<b>Emitter</b>	Tungsten wire; internally shielded
<b>Cleanroom Class</b>	ISO 14644-1 Class 5
<b>LED Indicator</b>	Green POWER and red ALARM
<b>Airflow</b>	49 cfm (typ)
<b>Ozone</b>	<0.005 ppm (typ)
<b>Mounting</b>	Small In-tool Stand: 1.8" x 5.1" (4.57 x 12.9 cm) with 1/4" mounting hole & 10-32 truss head screws Large Benchtop Stand: 4.1" x 5.1" (10.8 x 12.9 cm) with 1/4" mounting hole & 10-32 truss head screws
<b>Dimension</b>	5.28"H x 5.19"W x 2.49"D (13.4 x 13.1 x 6.32 cm) without stand
<b>Weight</b>	1.31 lb (0.59 kg) with benchtop stand
<b>Warranty</b>	Two year warranty
<b>Certification</b>	CE   
Wall Transformer 14-1420-01	
<b>Input Voltage</b>	120 VAC ±10%, 50 Hz
<b>Output Voltage</b>	24 VAC ±5% @ 500 mA
<b>Dimension</b>	3.2"L x 2.2"W x 1.9"H (8.15 x 5.65 x 4.85 cm)
<b>Weight</b>	0.9 lb (0.45 kg)
<b>Certification</b>	cULus 
Wall Transformer 14-1430-01	
<b>Input Voltage</b>	230 VAC ±10%, 60 Hz
<b>Output Voltage</b>	24 VAC ±5% @ 500 mA
<b>Dimension</b>	3.2"L x 2.2"W x 1.9"H (8.15 x 5.65 x 4.85 cm)
<b>Weight</b>	0.9 lb (0.45 kg)
<b>Certification</b>	CE 
AC/DC Adapter 14-1322	
<b>Input Voltage</b>	120-240 VAC ±10%, 50/60 Hz
<b>Output Voltage</b>	24 VDC @ 400 mA
<b>Dimension</b>	1.31"H x 2.00"W x 2.85"L (3.32 x 5.08 x 7.25 cm)
<b>Weight</b>	0.25 lb (0.11 kg)
<b>Certification</b>	cULus CE 

1. Tested in accordance with ANSI/ESD STM3.1-2015.

## Enhanced Features

The Model 6432e offers both 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 6432e Blower can be directly powered by process equipment or 24 VDC/VAC power to fit the needs of your environment.



The Model 6432e is offered either with a smaller in-tool stand (shown here) or a larger benchtop stand, shown in the photo on the front of the datasheet.

## Ordering Information

<b>92-6432e-US</b>	6432e Ionizing Blower; Benchtop Stand; 120 VAC to 24 VAC Transformer
<b>91-6432e</b>	6432e Ionizing Blower
<b>32-6433</b>	Benchtop Stand
<b>32-6434</b>	In-tool Stand
<b>14-1420-01</b>	Wall Transformer, 120V/24 VAC 500 mA, 5.5 x 2.1 x 12 mm plug, 6 ft (1.8m) cord, US
<b>14-1430-01</b>	Wall Transformer, 230V/24 VAC 500 mA, 5.5 x 2.1 x 12 mm plug, 6 ft (1.8m) cord, EU
<b>14-1322</b>	24 VDC Universal Input AC/DC Adapter*

\*Wall outlet connector required, contact sales services for detail.

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### Simco-Ion, Technology Group

1141 Harbor Bay Parkway, Suite 201  
Alameda, CA 94502

Tel: +1 (800) 367-2452 (in USA)  
Tel: +1 (510) 217-0460

ioninfo@simco-ion.com  
www.simco-ion.com/technology

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