



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.

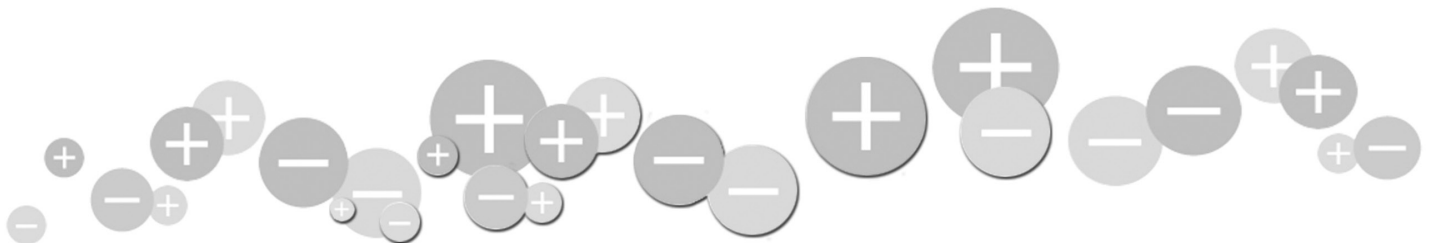
While Steady-state DC operation provides fast discharge with low airflow for greater operator comfort, IsoStat® Technology provides several useful benefits for the 6432e Blower. Its small size and ability to operate in balance without grounding wires or cables allows easy and quick installation and setup. 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	
Input Voltage	24 VDC (±10%) or 24 VAC (±10%), 50-60 Hz, 6W max
Discharge¹	24 VAC Input: <4 sec @ 12" (30.5 cm); ±1000-100V 24 VDC Input: <5 sec @ 12" (30.5 cm); ±1000-100V
Balance	±20V @ 12" (30.5 cm) away
Ion Emission	IsoStat Technology
Emitter	Tungsten wire; internally shielded
Cleanroom Class	ISO 14644-1 Class 5
LED Indicator	Green POWER and red ALARM
Airflow	49 cfm (typ)
Ozone	<0.005 ppm (typ)
Mounting	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
Dimension	5.28"H x 5.19"W x 2.49"D (13.4 x 13.1 x 6.32 cm) without stand
Weight	1.31 lb (0.59 kg) with benchtop stand
Warranty	Two year warranty
Certification	CE  UK CA
Wall Transformer 14-1420-01	
Input Voltage	120 VAC ±10%, 50 Hz
Output Voltage	24 VAC ±5% @ 500 mA
Dimension	3.2"L x 2.2"W x 1.9"H (8.15 x 5.65 x 4.85 cm)
Weight	0.9 lb (0.45 kg)
Certification	cULus 
Wall Transformer 14-1430-01	
Input Voltage	230 VAC ±10%, 60 Hz
Output Voltage	24 VAC ±5% @ 500 mA
Dimension	3.2"L x 2.2"W x 1.9"H (8.15 x 5.65 x 4.85 cm)
Weight	0.9 lb (0.45 kg)
Certification	CE 
AC/DC Adapter 14-1322	
Input Voltage	120-240 VAC ±10%, 50/60 Hz
Output Voltage	24 VDC @ 400 mA
Dimension	1.31"H x 2.00"W x 2.85"L (3.32 x 5.08 x 7.25 cm)
Weight	0.25 lb (0.11 kg)
Certification	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

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

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

SIMCO IONTM
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