



# Point-of-Use Ionizing Blower

## MODELS 6422e/6422e-AC

The Simco-Ion Point-of-Use Ionizing Blower Model 6422e is the most efficient small blower of its kind for controlling static discharge in hard-to-reach areas. In the tight confines of process tools, ionization must be easy and cost-effective but carry the same level of sophistication found in larger ionizers. The Model 6422e features our self-balancing IsoStat<sup>®</sup> Technology and alarm output feature that notifies the user immediately. This new feature, designed to recognize Industry 4.0 requirements, makes this the most reliable blower of its kind.

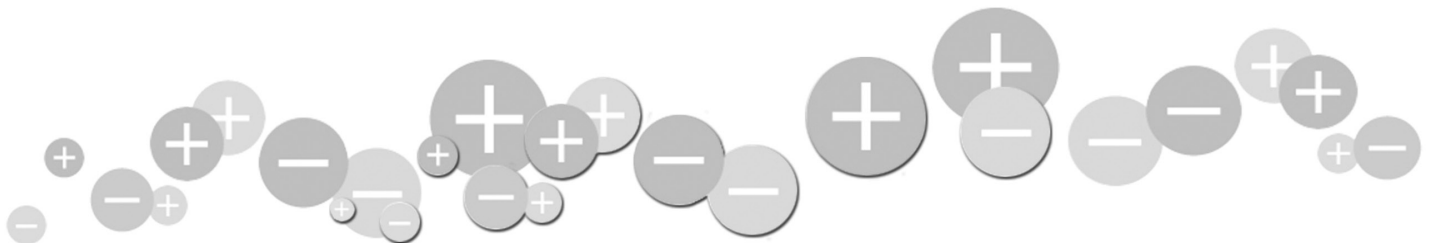
The Model 6422e meets the challenge of cost and features that your process demands by delivering worry-free ionization. The Model 6422e-AC is the same as the Model 6422e with the addition of our Auto Clean System.












### Features

- IsoStat<sup>®</sup> technology
- Small form factor available in Steady-state DC ion emission blowers
- 24 VDC or 24 VAC input
- Facility Monitoring System (FMS) interface
- Auto Emitter Point Clean (Model 6422e-AC)
- U-bracket mounting

### Benefits

- Self-balanced; no calibration needed
- The innovative design offers fast discharge times in confined (point-of-use) areas
- Can connect directly to your process equipment's power source or your wall power
- Faster response to ionization failure with notification through tool or FMS
- Automates emitter point cleaning reducing maintenance costs and time
- The flush or angled mounting means the blower will reach constrained spaces



Model 6422e/6422e-AC	
<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>	±10V @ 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>	23 cfm (typ)
<b>Ozone</b>	<0.004 ppm (typ)
<b>Operating Env</b>	50-95°F (10-35°C); 20-60% RH, non-condensing
<b>Mounting</b>	U-bracket, factory installed
<b>Dimension</b>	With Bracket: 4.95"H x 4.10"W x 2.48"D (12.6 x 10.4 x 6.30 cm) Without Bracket: 4.36"H x 3.26"W x 2.48"D (11.1 x 8.3 x 6.3 cm)
<b>Weight</b>	With Bracket 0.79 lb (0.36 kg) Without Bracket 0.7 lb (0.32 kg)
<b>Warranty</b>	Two year warranty
<b>Certification</b>	   
Wall Transformer 14-1420-01	
<b>Input Voltage</b>	120 VAC ±10%, 60 Hz
<b>Output Voltage</b>	24 VAC, 60 Hz @ 500 mA, ±5%
<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>	 
Wall Transformer 14-1430-01	
<b>Input Voltage</b>	230 VAC ±10%, 50 Hz
<b>Output Voltage</b>	24 VAC, 50 Hz @ 500 mA, ±5%
<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>	 
AC/DC Adapter 14-1322	
<b>Input Voltage</b>	120-240 VAC ±10%, 50/60 Hz
<b>Output</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>	  

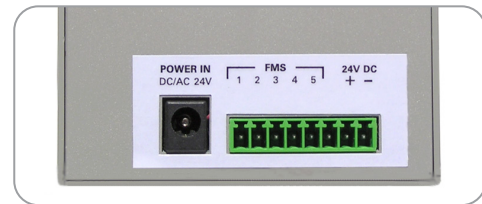
1. Tested in accordance with ANSI/ESD STM3.1-2015.

## Auto-Clean System

The Auto-Clean System in Model 6422e-AC features a brush mechanism that sweeps the emitter points when the blower is turned off and on. During the operation of the fan, the brush automatically retracts to reduce wear. Cleaning schedules will vary depending on environmental conditions. Simco-Ion recommends activating the Auto-Clean System at least once a week, significantly reducing maintenance time, extending emitter point life and ensuring balanced performance.

## Enhanced Capabilities

An alarm LED on the front of the blower indicates a high voltage circuitry failure. A five-pin facility monitoring system (FMS) interface is accessible on the rear of the blower. 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

The Blower may be powered by 24 VAC or 24 VDC from power supplies or directly from process equipment to fit your application.

## Ordering Information

<b>91-6422e-02</b>	Model 6422e
<b>91-6422e-AC-02</b>	Model 6422e-AC (Auto-Clean included)
<b>92-6422e-AC-US</b>	Model 6422e-AC (Auto-Clean included) and 120VAC to 24 VAC Transformer
<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.

**SIMCO ION**<sup>TM</sup>  
An ITW Company

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