

*Enhanced*

# Model 3890E **NEW**

CoreStat® Wide Coverage Ionizing Blower



## FEATURES

- CoreStat® Self-Balanced Technology
- Steady-State DC Ion Emission
- Low Offset Voltage
- Output Monitoring for Balance and Failures
- Auto-Stop & Auto-Cleaning
- Five Step Fan Speed Control
- 24 hour Auto-Cleaning Cycle

## BENEFITS

- Slim Design
- No Calibration Required
- Neutralize Entire Workstation
- Fast Discharge Time
- Easy Cleaning and Replacement of Emitter Points
- Audio & Visual Alarms

## APPLICATIONS




Core Insight's innovative design CoreStat® Model 3890E Blower provides wide area ionization coverage. CoreStat® Model 3890E is designed to be very reliable for long-term operation without cleaning or calibration for semiconductor, flat panel display, and general electronic assembly applications.

Model 3890E Ionizing Blower can discharge less than 10 seconds at 1.8m distance. Model 3890E Blower maintains intrinsic balance less than  $\pm 10V$  for ESDS items. Built-in auto-cleaning brush operates when the back-side fan filter grill is open or on power on/off. Audio and visual alarms operate when ion balance exceeded limit and for power supply failure. Light weight and slim design allow more convenient installation when space is limited.

Enhanced

# Model 3890E CoreStat® Wide Coverage Ionizing Blower

## Specifications

Input Voltage	100 - 240 VAC, 1A Max
Ion Emission	Steady-state DC Technology
Ion Balance	< ±10 V
Discharge Time	Less than 10 sec at 1800 mm (high fan speed)
Air Flow	165 CFM
Alarm	Visual & Audio alarm operates when ionizer can not maintain balance limit and for power failures
Monitoring	RJ-45 terminal
Operating Environment	Temperature: 15 - 35°C Humidity: 35 - 75% RH
Material	Enclosure & Filter: ABS plastic Emitter Points: Tungsten (replaceable) Bracket: Aluminum
Dimensions (mm)	422W x 190H x 107D (without bracket) 422W x 225H x 115D (with bracket)
Weight	2.5 kg
Warranty	2 year limited warranty
Compatibility	ISO 14644-1 Class 4 Cleanroom Compatible
Certification	  



Small Footprint Bracket



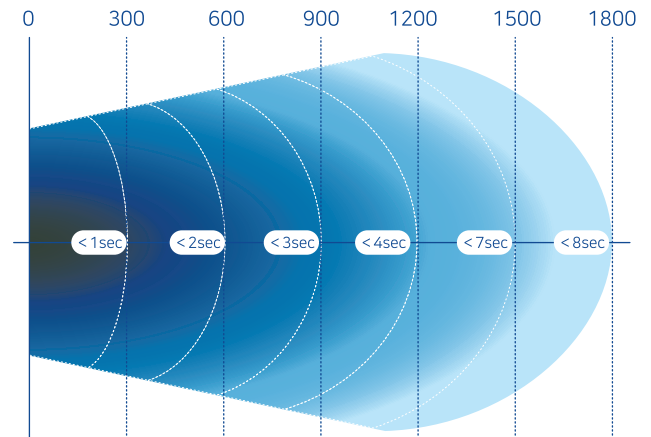
Easy Emitter Point Cleaning and Replacement

## Facility Monitoring System Output Signals

Status	Visual	Audio
Normal Operation	GREEN	Inactivate
HV Power Fail	RED	Continuous Sound
Balance Fail	RED Blinking	Beeping Sound

Condition	Pin 2 / 4	Pin 6 / 8	Pin 7
Normal	Open	Open	High
HV Power alarm	Open	Closed	N/A
Balance alarm	Closed	Open	N/A
Port alarm (with Model 5820)	Open	Open	Low

## Discharge Time



Discharge time and balance measured according to ANSI/ESD STM3.1 using a Charge Plate Monitor (CPM)

## Related Products

Model 5331R	Fan Speed Remote Control
Model 5380GF	Filter Grille
Model 5390AC	Auto-Cleaning Brush
Model 5820	Intergrated Monitoring & Controlling System for up to 20 units



Model 5808, 5820 Ionizer Monitoring System

- Balance & HV Power Failure Alarm
- Port Detection
- 24 VDC Distribution Up to 20 units
- All 20 Ionizers Auto-Cleaning at Once

## Size & Dimensions (mm)

