

Model 3900 Series

ENHANCED CoreStat® Self-Balanced Overhead Ionizer



FEATURES

- Steady-State DC Ion Emission
- Class 0 ESD Control Application
- LED & Audio Alarm
- 3 Step Fan Speed Control
- Auto-Cleaning Button & Brush

BENEFITS

- No Calibration
- Low Offset Voltage
- No High Switching Voltage
- Easy Replacement of Emitter Points
- Auto Stop Safety function
- Slim Design
- No Transient Noise

APPLICATIONS

The Model 3940E Series, featuring CoreStat Self-Balance technology, is a Steady-State DC ionizer equipped with a high-speed fan, designed for use in various electronic manufacturing environments including Class 0 semiconductor assembly and PCB handling processes.

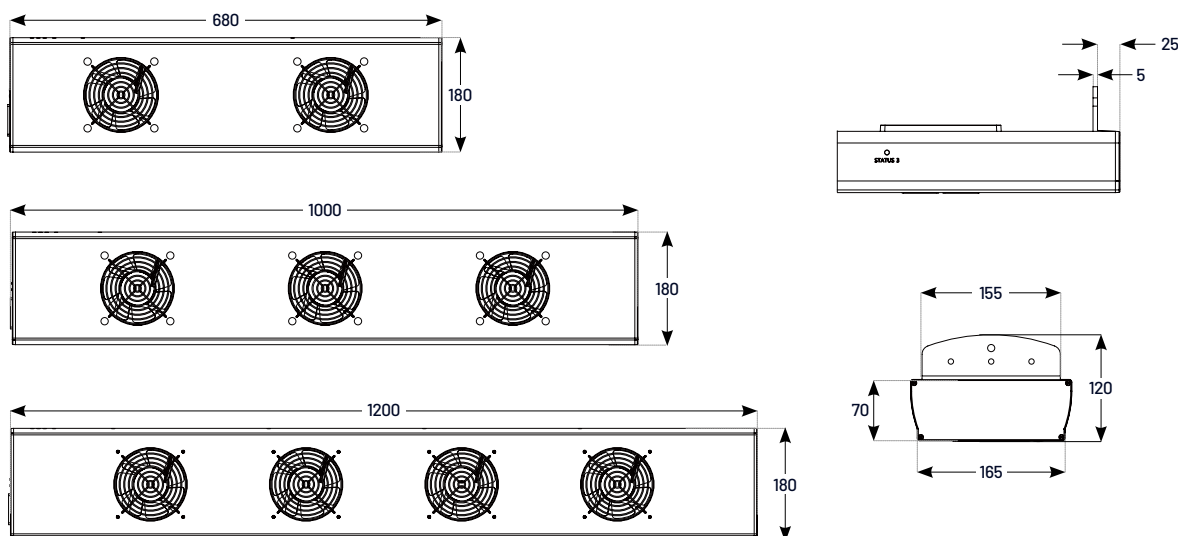
The Model 3940E Series is equipped with an automatic cleaning brush that makes emitter point cleaning simple and convenient to use as it requires no calibration. When the top grill filter is opened or closed, power is automatically shut off, ensuring safety and convenience for maintenance work during internal cleaning.

When the PWR button on the remote control is pressed, the automatic cleaning brush is activated to automatically clean the discharge electrodes. Additionally, when power is turned off, the built-in automatic cleaning brush performs automatic cleaning. The automatic cleaning brush does not contact the emitter point during ionizer operation.

SPECIFICATIONS

	3920	3930	3940
Input Voltage	100 – 240V AC, 1A MAX		
Ion Emission	Steady-State DC Technology		
Ion Balance	± 10 V Peak Offset Voltage	± 5 V Peak Offset Voltage	
Discharge Time	Less than 3 seconds at 450 mm	Less than 1 second at 450 mm	
Air Flow	165 CFM		
Alarm	A visual and audio alarm is activated when high voltage power unit failures.		
Monitoring	FMS 8 channel terminal		
Operating Environment	Temperature : 15 – 35°C / Humidity : 35 – 75 % RH		
Material	Enclosure & Filter : ABS plastic / Emitter Points : Tungsten (replaceable) / Bracket : ABS plastic		
Dimensions (mm)	680 W x 120 H x 180 D (with bracket)	1000 W x 120 H x 180 D (with bracket)	1200 W x 120 H x 180 D (with bracket)
Compatibility	ISO 14644-1 Class 4		
Weight	2.9 kg	3.6 kg	4.3 kg
Warranty	2 year limited warranty		
Certification	  		

SIZE & DIMENSIONS (mm)



FACILITY MONITORING SYSTEM OUTPUT SIGNALS

Status	Visual	Audio
Normal Operation	Green	Inactivate
HV Power Fail	Red	Continuous Sound

Condition	FMS 1~2	FMS 4~5	FMS 3~6
Normal	Open	4~5mA	Open
Alarm	Closed	17~20mA	Closed
Power Off	Closed	Open	Closed

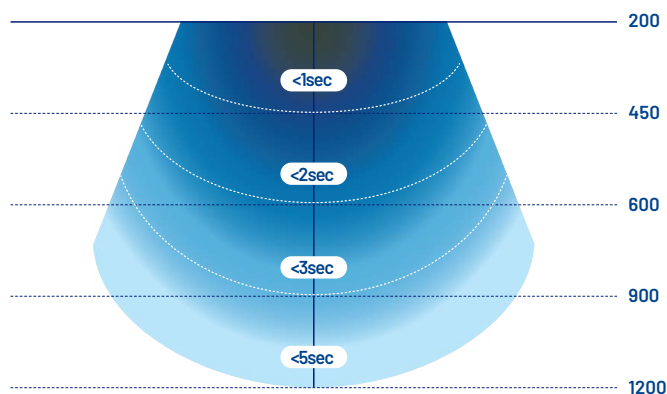
RELATED PRODUCTS

Model 5331R	Fan Speed Remote Control
Model 5380GF	Grill Filter
Model 5390AC	Auto-Cleaning Brush

PRODUCT INFORMATION

Model 3920E	High Speed 2 FAN / Power Alarm / Grill Filter / Auto Stop, Auto Cleaning
Model 3920EL	High Speed 2 FAN / Power Alarm / Grill Filter / Auto Stop, Auto Cleaning / Built-in LED Lights
Model 3930E	High Speed 3 FAN / Power Alarm / Grill Filter / Auto Stop, Auto Cleaning
Model 3930EL	High Speed 3 FAN / Power Alarm / Grill Filter / Auto Stop, Auto Cleaning / Built-in LED Lights
Model 3940E	High Speed 4 FAN / Power Alarm / Grill Filter / Auto Stop, Auto Cleaning
Model 3940EL	High Speed 4 FAN / Power Alarm / Grill Filter / Auto Stop, Auto Cleaning / Built-in LED Lights

DISCHARGE TIME * Based on 3930/40

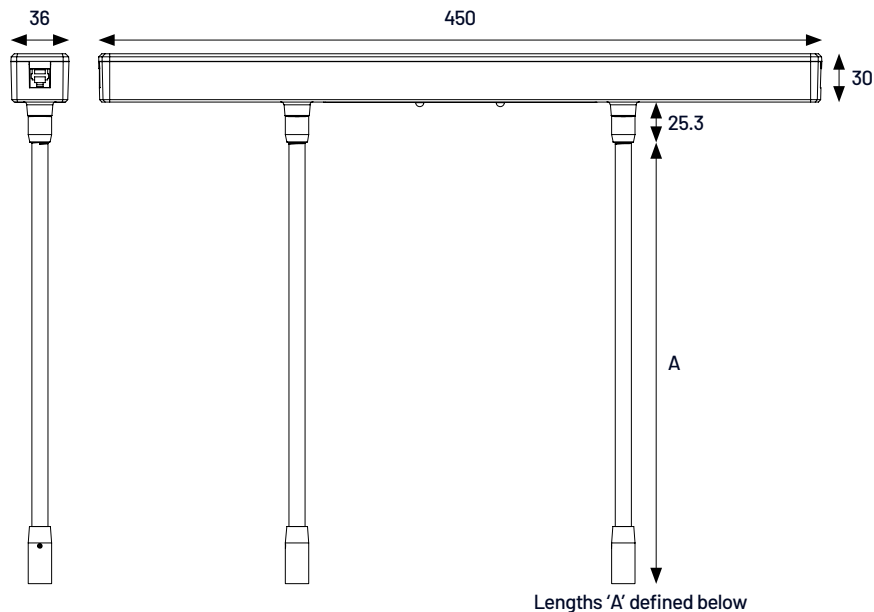


* Discharge time and balance measured according to ANSI/ESD STM3.1 using a Charge Plate Monitor(CPM)

LED LIGHTS OPTION



SIZE & DIMENSIONS (mm)



RODS LENGTHS (mm)

125	Model 2400-125-XX
300	Model 2400-300-XX
450	Model 2400-450-XX
600	Model 2400-600-XX
750	Model 2400-750-XX
900	Model 2400-900-XX

XX : User select emitter point materials

RELATED PRODUCTS

Model 5232ET	Titanium Emitter
Model 5233ES	Single Crystal Silicon Emitter
Model 5239J	Junction Box
Model 5711R	Remote Controller



CONTROLLER Model 6300 Series

	Capacity	Dimensions	Weight
Model 6320	Up to 20 units		
Model 6340	Up to 40 units	20W x 102H x 137D	3.7kg
Model 6380	Up to 120 units	375W x 121.5H x 137D	6.8kg