

Model 3800 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 Free

APPLICATIONS

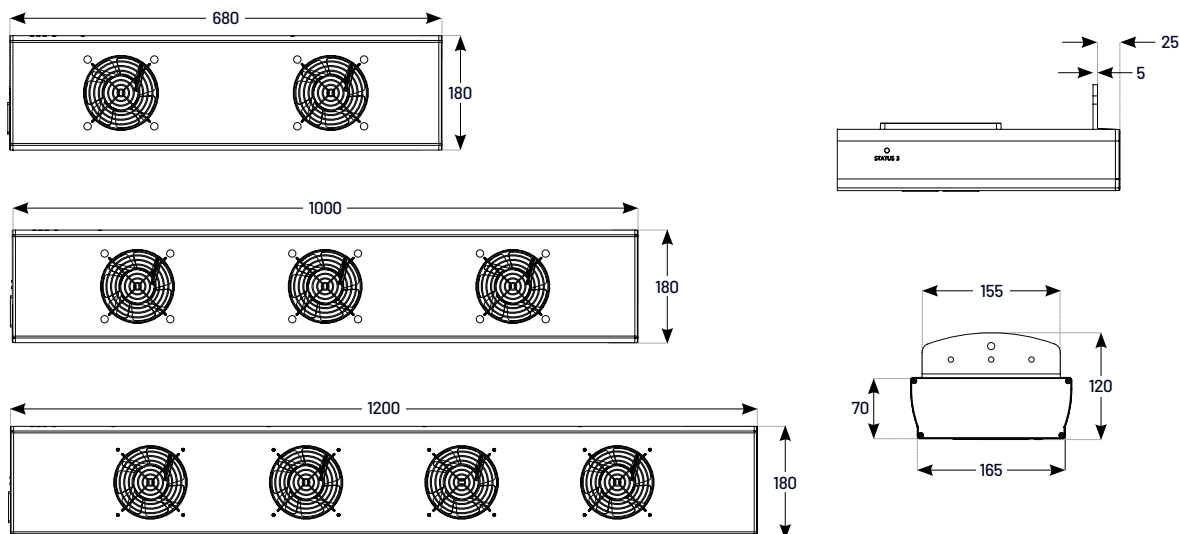
The Model 3800 Series, featuring CoreStat® Self-Balance technology, is a Steady-State DC ionizer that can be used in various electronic product manufacturing environments including Class 0 component handling processes, semiconductor assembly processes, and PCB assembly processes. Emitter point cleaning is performed through an automatic cleaning system, and the high voltage power technology is designed to require very simple maintenance, no regular calibration, making maintenance work simple.

The Model 3800 Series overhead ionizer can neutralize charge less than 3 seconds at 450mm distance. The 8-terminal monitoring I/O ports enable monitoring of the ionizer's status and power input control. The built-in emitter point cleaning brush performs automatic cleaning within 10 seconds through remote control, effectively reducing maintenance resources.

SPECIFICATIONS

	3820	3830	3840
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	150 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

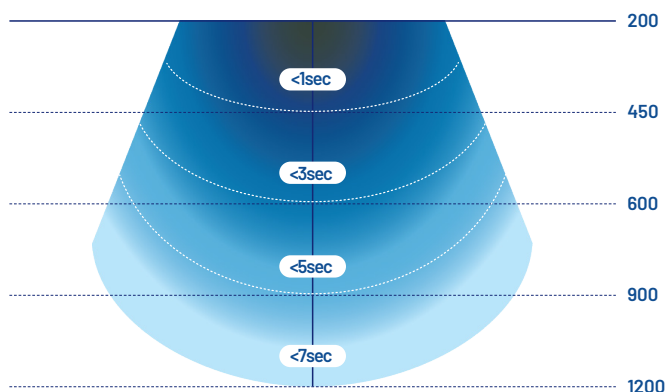
RELATED PRODUCTS

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

PRODUCT INFORMATION

Model 3820E	2 FAN / Power Alarm / Grill Filter / Auto Stop, Auto Cleaning
Model 3820EL	2 FAN / Power Alarm / Grill Filter / Auto Stop, Auto Cleaning / Built-in LED Lights
Model 3830E	3 FAN / Power Alarm / Grill Filter / Auto Stop, Auto Cleaning
Model 3830EL	3 FAN / Power Alarm / Grill Filter / Auto Stop, Auto Cleaning / Built-in LED Lights
Model 3840E	4 FAN / Power Alarm / Grill Filter / Auto Stop, Auto Cleaning
Model 3840EL	4 FAN / Power Alarm / Grill Filter / Auto Stop, Auto Cleaning / Built-in LED Lights

DISCHARGE TIME * Based on 3830/40



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

LED LIGHTS OPTION

