

Model 3700 Series

ENHANCED CoreStat® Self-Balanced Overhead Ionizer



FEATURES

- Steady-State DC Ion Emission
- Class 0 ESD Control Application
- LED & Audio Alarm
- ONE-Touch Auto-Cleaning
- 5 Step Fan Speed Control
- Auto-Cleaning Button & Brush
- MODBUS Communication enabled

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

Cleaning Cycle Programmable

The Model 3700 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 3700 Series is equipped with a one-touch automatic cleaning brush that makes emitter point cleaning simple and convenient to use as it requires no calibration.

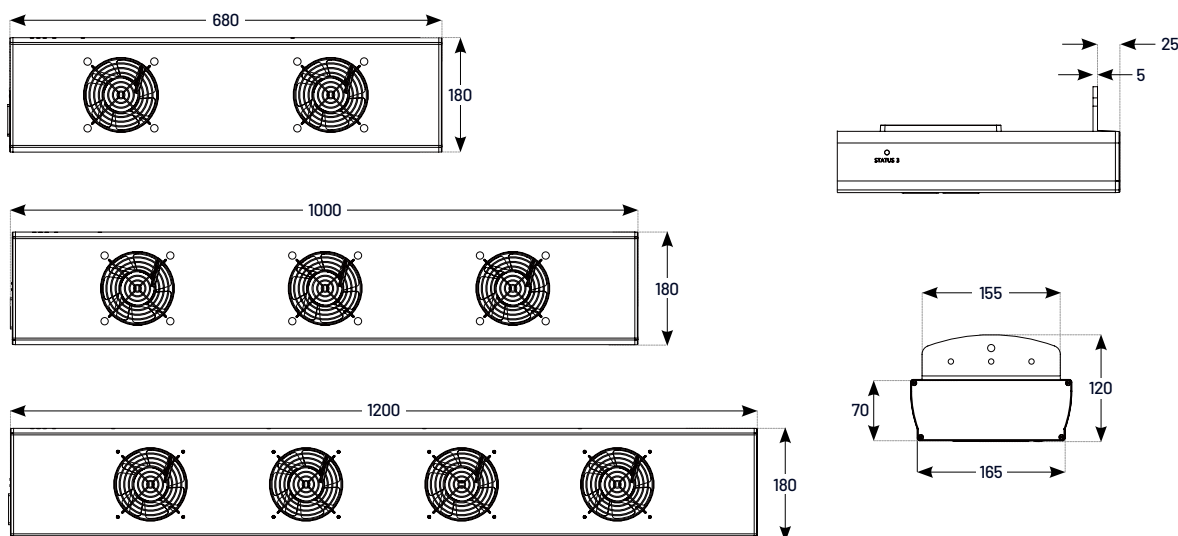
When the top grill filter is opened or closed, power is automatically shut off, ensuring safety and convenience for maintenance work during internal cleaning. Automatic cleaning brush can be programmable user specified intervals days.

The built-in MODBUS communication enables centralized monitoring of ionizer status and control of airflow speed and automatic cleaning functions via PC.

SPECIFICATIONS

	3720	3730	3740
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 2 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	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)	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	2.6 kg	4.2 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

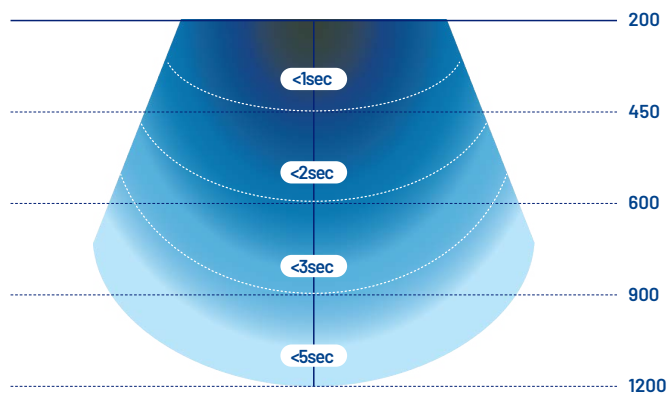
RELATED PRODUCTS

Model 5711R	Remote Controller
Model 5380GF	Grill Filter
Model 5390AC	Auto-Cleaning Brush

PRODUCT INFORMATION

Model 3720E	2FAN / Power Alarm / Built-in Emitter Cleaning Cycle Programmable
Model 3720EL	2FAN / Power Alarm / Built-in Emitter Cleaning Cycle Programmable / Built-in LED Light
Model 3730E	3FAN / Power Alarm / Built-in Emitter Cleaning Cycle Programmable
Model 3730EL	3FAN / Power Alarm / Built-in Emitter Cleaning Cycle Programmable / Built-in LED Light
Model 3740E	4FAN / Power Alarm / Built-in Emitter Cleaning Cycle Programmable
Model 3740EL	4FAN / Power Alarm / Built-in Emitter Cleaning Cycle Programmable / Built-in LED Light

DISCHARGE TIME * Based on 3730/40



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

LED LIGHTS OPTION

