AeroBar® Ionizer

MODEL 5285

ION Systems AeroBar Ionizer Model 5285 is designed to control static charge in mini-environments, laminar flow hoods and workstations. The Model 5285 features a unique aerodynamic design that ionizes a local area without disrupting laminar flow. Its pulsed DC technology, combined with optimized emitter point spacing, provides uniform performance over the work area.

As with ceiling emitters, output and balance can be adjusted at each bar. The Model 5285 comes in a variety of lengths. Installation uses a variety of easy-mount clips making it fast and easy. An enhanced model, the Model 5285e, features ion current regulation and an operational failure alarm.

Features & Benefits

- Sequenced bipolar ionization
- Unique aerodynamic design
- Individual positive and negative power controls at each bar
- Ion current regulation and operational failure alarm (Model 5285e only)
- Settable onTimes and offTimes provide the most efficient ionization performance, minimizing recombination
- Ionizes local areas without disrupting laminar flow
- Bars can be individually fine-tuned for different airflow and environmental conditions
- Ion current regulation maintains ion output and balance and a red LED at each AeroBar ensures quick notification of alarm conditions
Specifications

**Power and Control**

The Model 5285 AeroBar Ionizer is powered by the Model 5024 Controller. Depending on the version ordered, the Model 5024 supports up to four or up to 20 AeroBars, with visual and audible alarm options. Visual and audible alarms mirror the alarm LED on the AeroBar, and Controllers with the alarm options also support FMS (facility monitoring systems) with an optional module connection.

**Emitter Point Cleanliness**

The AeroBar Ionizer operates with three emitter point materials: single-crystal silicon, machined titanium, and tungsten alloy. All points are replaceable. The choice of three materials provides versatility, allowing the AeroBar to be used in the cleanest of environments. Single-crystal silicon is still the only proven “ISO 14644-1 class 3 standards (Fed. Std. 209e) class 1 equivalent” emitter point material, providing the cleanest alternative in static charge control. Both titanium and tungsten alloy points are appropriate where users must avoid a specific material as a possible contaminant.