

Ion Blower

Electrostatic Total Solution

SBL-20W

Multifunctional Medium-to-Large Ion Blower Delivering Stable Static Elimination via Smart Integrated Control

This medium-to-large model is specialized for rapid, long-distance static elimination. Featuring an automatic emitter cleaning function and a detachable cover, it ensures effortless maintenance. Furthermore, comprehensive support for extensive features—including real-time ion balance control and RS-485 communication integration—maximizes operational efficiency across wide-area environments.



Key Features



Adjustable Fan Speed



Alarm Function for
Monitoring Ion Balance
and Fan Anomalies



Real-Time Automatic
Ion Balance Maintenance



Convenient Maintenance
via Auto Emitter Cleaning



Detachable Filter Cover
for Quick and Easy
Replacement



Interfacing with Automation
Equipment (PLC, RS-485)

Key Technology

Core Technologies for Stable Static Elimination and Effortless Operation

01

Optimal Aerodynamic Design

Through an optimized aerodynamic structure and adjustable fan speed control, it provides powerful, uniform airflow to achieve highly effective static elimination across long distances.

- Optimal Aerodynamic Design
- 4-Step Fan Speed Control
- Long-Distance Ionization Performance



02

Automatic Ion Balance Adjustment

The automatic ion balance control system maintains a consistently stable balance despite ambient fluctuations, delivering dependable static elimination and minimizing process variations.

- Automatic Ion Balance Control
- Stable Static Elimination Performance
- Process Deviation Minimization



03

User-Friendly Maintenance Structure

Equipped with an automatic emitter cleaning mechanism, a detachable filter cover, and a dedicated cleaning brush, contaminants on the discharge electrodes can be cleared with ease, enabling simple and efficient maintenance.

- Automatic Emitter Cleaning Function
- Dedicated Cleaning Brush
- Detachable Filter Cover



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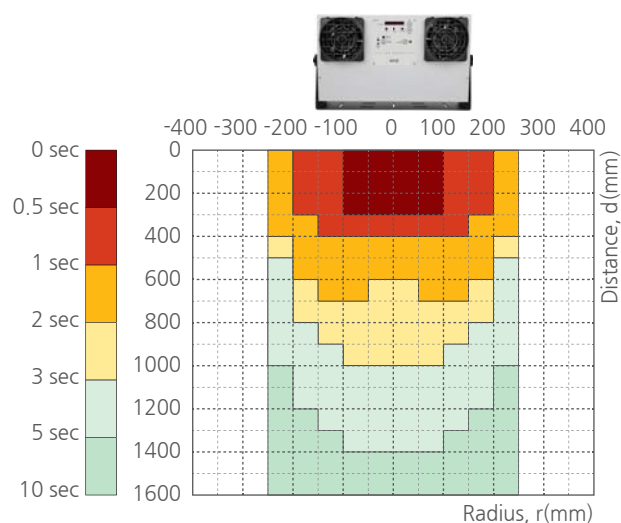
Specifications

Parameter	Description / Value
Input Power	AC 100~240 V, 50/60 Hz
Power Consumption	37W (Fan Speed Max.)
Current Consumption	168mA (AC 220V)
Ion-Generation Method	Steady-State DC
Air Flow	8.5 m ³ /min (Fan Speed Max.)
Noise Level	63 dB (1,000 mm, Fan Speed Max.)
Ion Balance	within ± 2 V (600 mm, Maximum Air flow)
Operation Circumstance	0 °C ~ +50 °C (32 °F ~ 122 °F), 35 % ~ 85 % RH
Ozone(O ₃) Concentration	≤ 0.05 ppm
Main Body Material	Aluminum
Electrode Material	Tungsten
Weight	3.4 kg
Function	4 Step Fan Speed, Tip Cleaning, Auto Tip Cleaning
Alarm Function	Ion Unbalance Alarm, Fan Alarm
Interface	Remote On/Off, Run State, Alarm, Tip Cleaning, RS 485
Warranty	1 year

※ Specifications and design are subject to change without prior notice for quality improvement.

Decay Time Characteristics

- Decay Time : $\pm 1,000$ V to ± 100 V
- Temperature & Humidity : 24°C, 50%RH
- Charge Plate Capacitance : 20pF (150 X 150mm)



Dimensions

