



## STATCLEAN TECHNOLOGY (S) PTE. LTD.

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### **Benchtop Ionizer (STSCE-BT/SL-001) Model: SL-001**

#### **Operation/Maintenance Instruction**

SL-001 desktop is an ionizing device, designed to provide targeted coverage for electrostatic problems.

#### **Description**

The desktop ionizing blower produces an airflow that is rich in positive and negative ions. Directing the airflow on an object that has a static electricity charge will neutralize the charge.

The desktop ionizing blower is a portable ionized air blower. It uses a small fan to produce airflow. The volume of airflow is controlled by a variable speed control, which provides a wide range of airflow setting. The high voltage AC is applied to a circular arrangement of tungsten steel ion emitter points, which results in an intense alternating electric field at the tip of the emitter points. It is this electric field that creates alternating polarity ions in the airflow. To assure that the unit is working properly, the high voltage AC is monitored by an ionization indicator lamp.

The desktop ionizing blower features a patented balancing circuit. Also features a patented built-in emitter point clear. Using the point clear takes only seconds. Cleaning the emitter points on a weekly basis prevents the build-up of airborne debris all electrical ionizers are prone to. This keeps your blower working in top form for the life of the unit.

The desktop ionizing blower was designed for use with sensitive electronic components, where electrostatic discharge is a problem. The desk-top ionizing blower can also be used where static electricity causes problems such as: attraction of dirt to product, misalignment of small parts due to electrostatic “jumping” and undesirable adhesion of plastic films due to electrostatic charge.

#### **Features**

1. Small, light weight and portable
2. Rapidly neutralizes static charges
3. Variable speed fan with wide range of air flow
4. Inherently balanced ion output
5. Ionization indicator lamp
6. With warm function.





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## Specifications

Line voltage:	220V/50Hz, 110V/60Hz
Current Draw:	Max.0.25 Amp (fan high, light on) Min 0.12 Amp (fan low, light off)
Air Volume output:	Fan Speed Flow  Low 45 CFM  High 110 CFM
Air Flow characteristics:	30cm×30cm Area Coverage
Operating Temperature:	32°F (0°C)---122°F (50°C)
Enclosure:	Stainless Steel.
Finish:	Powder Coat
Size:	(190mmL×260mmH×95mmW)
Ion Balance (offset voltage):	0V+/- 10V

## ION OUTPUT (DISCHARGE TIME)

Away from Ionizer	Left 300mm	Center line	Right 300mm
300mm		1.3sec	
600mm	3.2sec	2.5sec	3.3sec
900mm	6.4sec	4.6sec	6.5sec

1. Distance measured in mm, decay time measured in seconds.
2. Test data available using ME 268A charges plate analyzer.
3. Test figures are subject to the variation in the atmospheric conditions.
4. Discharge times are in seconds from 1000 volts to 100 volts.