

All about electrostatics, our know-how is yours!

The Next Generation ION BLOWER



SBL-20W / 30W

With optimized aerodynamic design and fan speed control device, It is effective to ionize middle/long distance. Due to slim and light-weight, the installation access is easier. Easy maintenance by discharge needle cleaning brush and a detachable rubber cover.



Key Features

- Medium and large size Ion Blower (SBL-20W)
- Large size Ion Blower (SBL-30W)
- Automatic ion balance control
- Slim size, Light-weight, Low-noise
- Easy maintenance via automatic tip cleaning function
- Fan speed control (4Steps)
- Interface compatibility with automation (PLC)
- Ion unbalance / Fan abnormal buzzer alarm
- With RMS, possible to check operation status in real time (Option)

Specifications

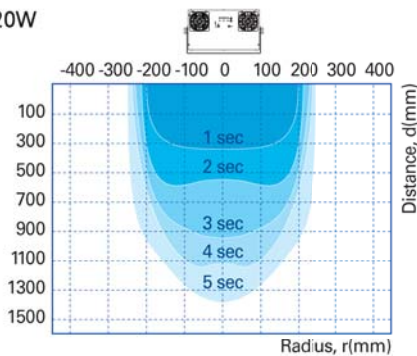
Parameter	Description / Value		Remarks
	SBL-20W	SBL-30W	
Input Power	AC 100 ~ 240V, 50/60Hz		
Power Consumption	37W	50W	Fan Speed Max.
Current Consumption	168mA	227mA	AC 220V
Ion-Generation Method	Steady-State DC		
Air Flow	8.5m ³ /min	12.4m ³ /min	Fan Speed Max.
Noise Level	63dB	68dB	1,000mm, Fan Speed Max.
Ion Balance	within $\pm 5V$		600mm, 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		
Mounting Method	Desk Top		
Weight	3.4kg	6.2kg	
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		

※ The appearance and specification of the product may be changed without prior notice for the improvement of the product.

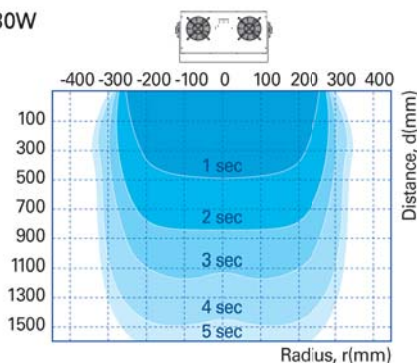
Decay Time Characteristics

- **Model** : SBL-20W/30W
- **Decay Time** : $\pm 1,000V$ to $\pm 100V$
- **Charge Plate Capacitance** : 20pF(150 X 150 mm)
- **Temperature & Humidity** : 24°C, 50%RH

► SBL-20W

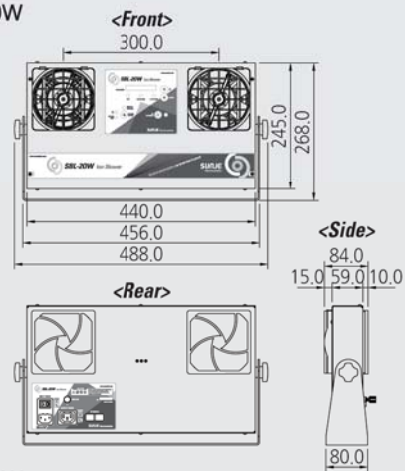


► SBL-30W

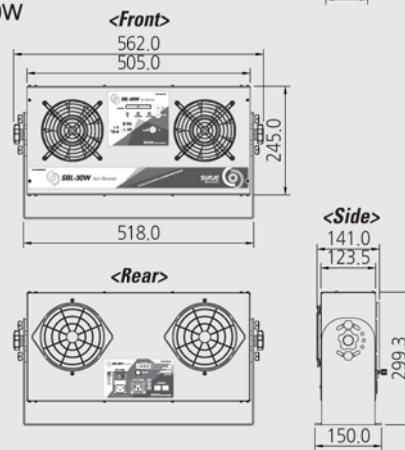


Dimensions

► SBL-20W



► SBL-30W



Maintenance

► Tip cleaning

• Tip Cleaning Button

SBL-20W/30W has a brush to clean a discharge needle. When the "Tip Cleaning" button on the front is depressed, SBL-20W/30W will clean the discharge needle automatically for 5 seconds after fan's operation is stopped.

• Auto Tip Cleaning

If the power on status of the SBL-20W/30W last more than 24 hours, it will automatically clean a discharge needle every 24 hours. Discharge needle cleaning is executed for 3 seconds after fan's operation is stopped.

• Manual Tip Cleaning

Clean a discharge needle in person in case of its serious contamination.

1. Be sure to power off before cleaning the ionizer.
2. Please open the front cover of a SBL-20W.
3. Soak the cotton swab with alcohol. (do not use acetone)
4. Put the swab on the discharge needle and wipe it turning the swab right and left. (take precautions not to apply severe force to the discharge needle)
5. Replace the damaged discharge needle.
6. After the cleaning, let the alcohol applied to the discharge needle surface evaporate completely and then operate the SBL-20W.
7. Please record the cleaning process as a reference in the file.