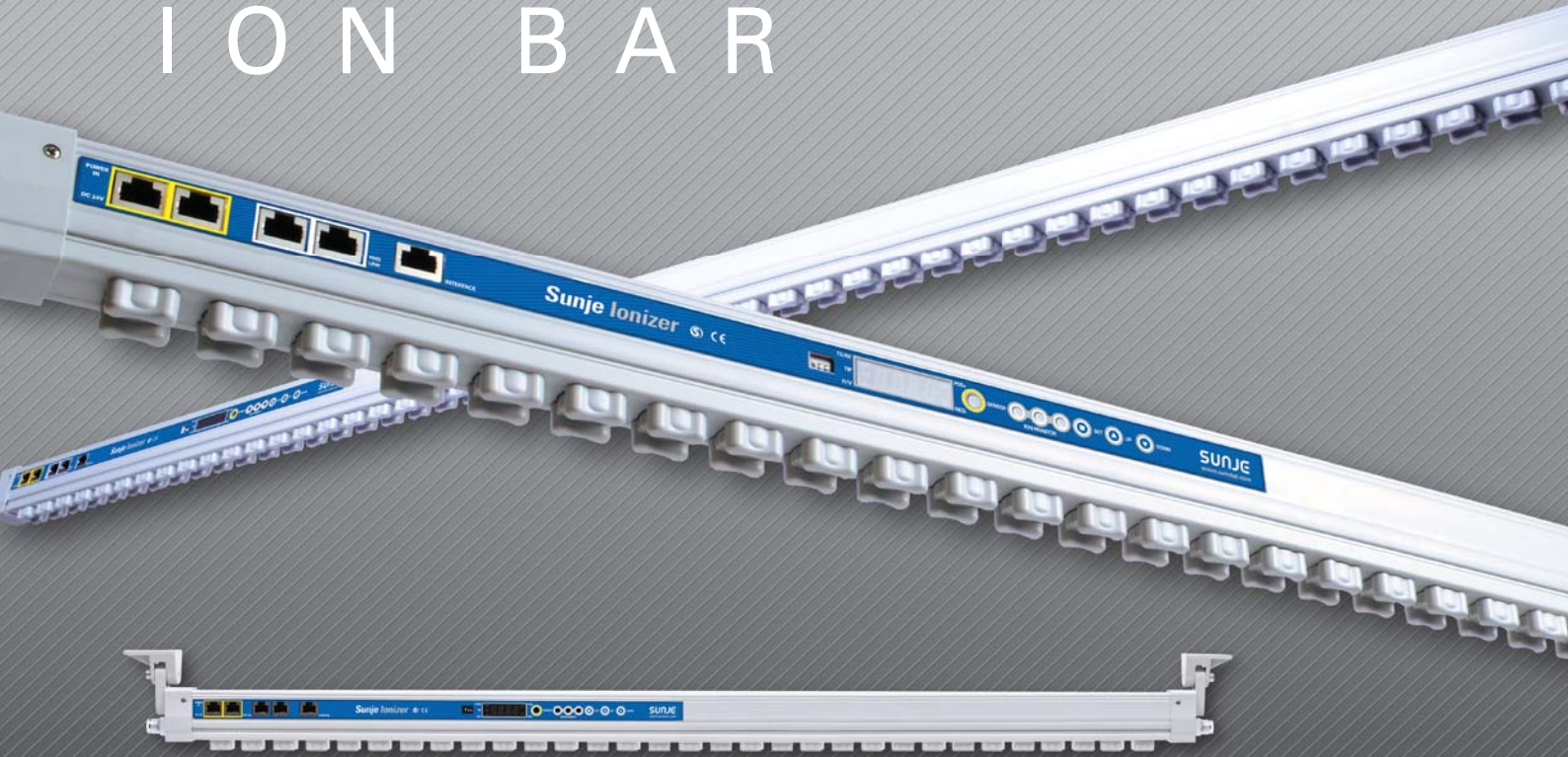


All about electrostatics, our know-how is yours!

The Next Generation

ION BAR



SIB5SH Series

The quantity of sockets is maximized so that faster and long distance static elimination is feasible. The user can self-setting the ion generation rate, it benefits to apply in various environments.



Key Features

- The quantity of sockets is maximized so that faster and long distance static elimination is feasible
- Self-setting the ion generation rate is available
- Power jumping function among ion bars (Max. 4 ion bar links)
- Aerodynamic design nozzle socket reduces tip contamination
- One-touch in/out socket application
- Design for minimum air consumption (Newly designed socket minimized the air consumption but maximized the air pressure)

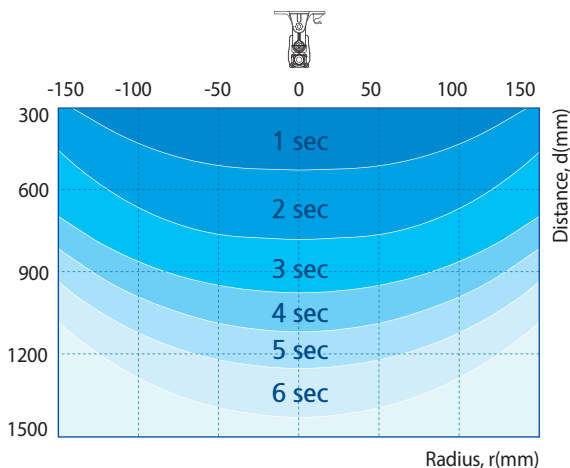
Specifications

Parameter	Description / Value	
Input Power	DC 24V (±5%)	
Power Consumption	Max. 12W	
Current Consumption	Max. 500mA (DC 24V)	
Ion-Generation Method	Corona Discharge Pulse AC	
Air Purge Supply Pressure	0.1 ~ 0.5MPa (CDA, N2)	
Air Purge Connection Port	Pipe Thread 1/8"	
Ion Balance	Within ±30V (1,000mm)	
Ozone(O3) Concentration	≤0.05ppm	
Main Body Material	Non-Flammable ABS (Level V0)	
Electrode Material	Standard Tungsten	
	Option Titanium, Silicon (SIE-4)	
Electrode Replacement	Cartridge type	
Operation Circumstance	0℃~+50℃(32 F~122 F), 35%~85% RH	
Mounting Method	Bolt Mounting with Bracket	
Function	Remote Control	
Adjust Function	Frequency [Hz]	1, 3, 5, 8, 10, 20, 30~100 (by 5Hz unit)
	Voltage [Level]	1~10
Alarm Function	High Voltage Abnormal Alarm, Tip Cleaning Alarm(Setting)	
Interface	Run State, Remote, RS485, Alarm (High Voltage Abnormal, Tip Cleaning)	
Operating Distance	50 ~ 2,000mm	
Option	RMS (Real Monitoring System) SBP-RD (DC Power Supply)	
Warranty	1 year	

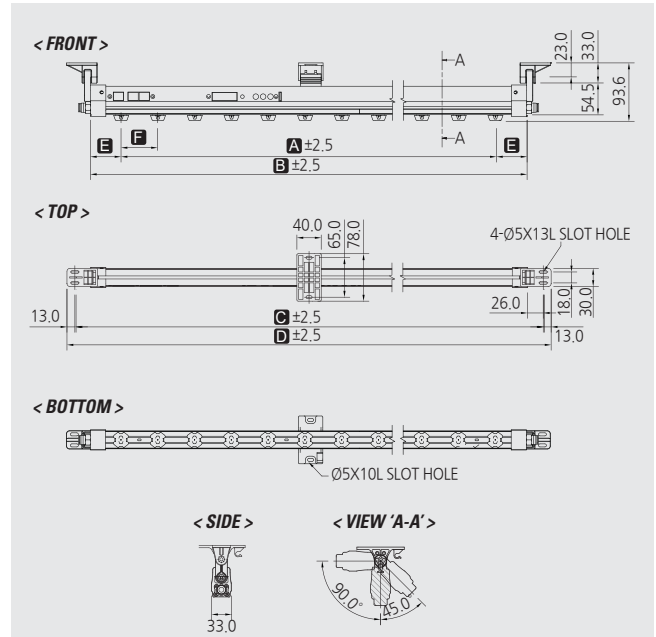
※ Product model number will be differ as the discharge needle specifications.
 ex. Tungsten : SIB5-****SH / Silicon : SIB5-****SH-SI / Titanium : SIB5-****SH-TI
 ※ The appearance and specification of the product may be changed without prior notice for the improvement of the product.

Decay Time Characteristics

- Model : SIB5-1600SH
- Socket : SIE-4
- Output Voltage : Pulse AC ±10.5kVp-p
- Air Pressure : 0.3MPa
- Decay Time : ±1,000V to ±100V
- Temperature & Humidity : 24℃ ± 1℃, 40% ± 2%RH
- Charge Plate Capacitance : 20pF ± 2pF (150 X 150mm)
- Frequency : 30Hz



Dimensions



No.	Model No.	Tip QTY	A	B	C	D	E	F	Middle BKT QTY
1	SIB5-600SH	15	420	560	611	937	70	30	-
2	SIB5-700SH	19	540	680	731	757	70	30	-
3	SIB5-800SH	23	660	800	851	877	70	30	-
4	SIB5-900SH	27	780	881	932	958	50.5	30	-
5	SIB5-1000SH	31	900	1001	1052	1078	50.5	30	1
6	SIB5-1200SH	39	1140	1241	1292	1318	50.5	30	1
7	SIB5-1300SH	43	1260	1361	1412	1438	50.5	30	1
8	SIB5-1500SH	47	1380	1481	1532	1558	50.5	30	1
9	SIB5-1600SH	51	1500	1601	1652	1678	50.5	30	1
10	SIB5-1700SH	55	1620	1721	1772	1798	50.5	30	2
11	SIB5-1800SH	59	1740	1841	1892	1918	50.5	30	2

Maintenance

▶ Discharge needle cleaning order

1. Be sure to power off before cleaning the ionizer.
2. Please clean it as the table below.

Cleaning with a cotton swab	Cleaning with a brush	Ultrasonic cleaning
After moistening a cotton swab with alcohol, wipe the discharge needle from side to side with the swab. (do not use acetone)	Spray alcohol on the brush and use it to clean the discharge needle.	Separate the socket and clean it using an ultrasonic cleaner. (Do not wash for more than 2 minutes) (Water:Alcohol = 9:1 ratio)

3. Replace the damaged discharge needle.
4. After the cleaning, let the alcohol applied to the discharge needle surface evaporate completely and then operate the Ion Bar.
5. Please record the cleaning process as a reference in the file.