

All about electrostatics, our know-how is yours!

The Next Generation

ION BAR



SIB5S Series

It is the product that shows stable performance by high frequency, keeps stable ion balance during long term period. By various product specification and digital control systems, corona discharge loss is minimized. Also wide range of removing static is possible through optimum design for ion generation.

Key Features

- Stable ion balance during long term usage
- Stable performance from high frequency (100hz)
- Able to apply in various conditions with slim appearance and various length
- Increase ion generation by reducing corona discharge loss
- Tip cleaning alarm (You can set tip cleaning period with timer)
- Output voltage control(8~12.5kVp-p) for optimizing electrostatic
- Fluid dynamic nozzle socket for preventing tip contamination
- One touch type for easy tip replacement and cleaning
- Minimum air consumption
(innovative socket design embodies minimum flux and maximum voltage)

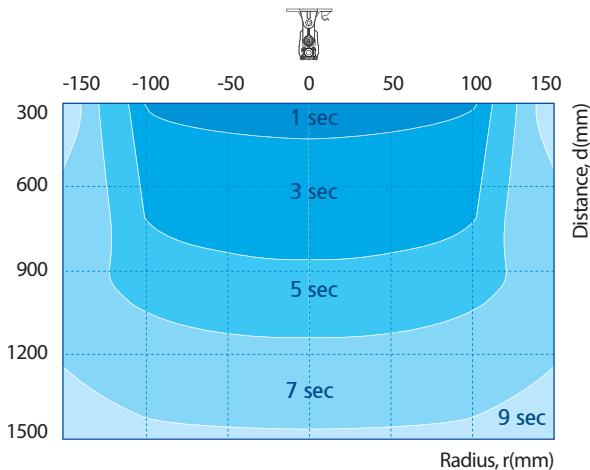
Specifications

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°C~+50°C(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

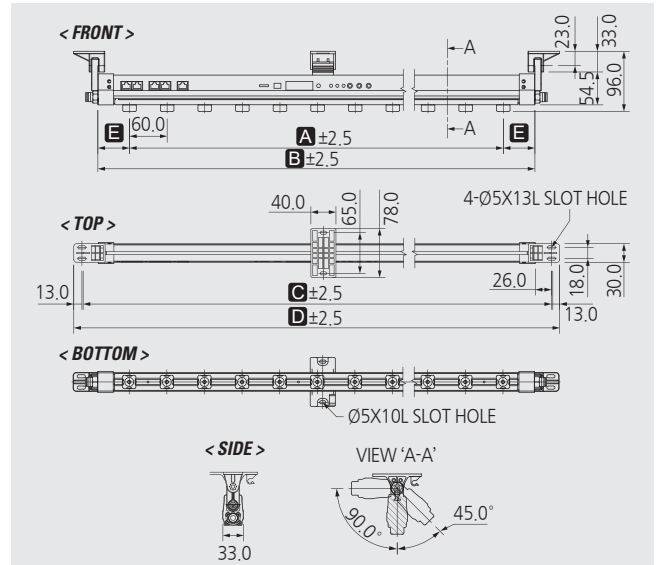
- ※ Product model number will be differ as the discharge needle specifications.
ex. Tungsten : SIB5-*****S / Silicon : SIB5-*****S-SI / Titanium : SIB5-*****S-TI
- ※ The appearance and specification of the product may be changed without prior notice for the improvement of the product.

Decay Time Characteristics

- Model : SIB5-1500S
- Socket : SIE-4
- Output Voltage : Pulse AC ±10.5kVp-p
- Air Pressure : 0.3MPa
- Decay Time : ±1,000V to ±100V
- Temperature & Humidity : 24°C ± 1°C, 40% ± 2%RH
- Charge Plate Capacitance : 20pF ± 2pF (150 X 150mm)
- Frequency : 30Hz



Dimensions



No.	Model No.	Tip Q'TY	A	B	C	D	E	Middle BKT Q'TY
1	SIB5-600S	8	420	560	611	637	70	1
2	SIB5-700S	10	540	680	731	757	70	1
3	SIB5-800S	12	660	800	851	877	70	1
4	SIB5-900S	14	780	881	932	958	50.5	1
5	SIB5-1000S	16	900	1001	1052	1078	50.5	1
6	SIB5-1200S	20	1140	1241	1292	1318	50.5	1
7	SIB5-1300S	22	1260	1361	1412	1438	50.5	1
8	SIB5-1500S	24	1380	1481	1532	1558	50.5	1
9	SIB5-1600S	26	1500	1601	1652	1678	50.5	1
10	SIB5-1700S	28	1620	1721	1772	1798	50.5	2
11	SIB5-1800S	30	1740	1841	1892	1918	50.5	2
12	SIB5-2000S	32	1860	1961	2012	2038	50.5	2
13	SIB5-2100S	34	1980	2081	2132	2158	50.5	2
14	SIB5-2200S	36	2100	2201	2252	2278	50.5	2
15	SIB5-2300S	38	2220	2321	2372	2398	50.5	2
16	SIB5-2500S	40	2340	2441	2492	2518	50.5	3
17	SIB5-2700S	44	2580	2681	2732	2758	50.5	3
18	SIB5-3000S	48	2820	2921	2972	2998	50.5	3
19	SIB5-3200S	52	3060	3161	3212	3238	50.5	3
20	SIB5-3400S	56	3300	3401	3452	3478	50.5	3
21	SIB5-3500S	58	3420	3521	3572	3598	50.5	4
22	SIB5-3600S	60	3540	3641	3692	3718	50.5	4

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.