

All about electrostatics, our know-how is yours!

The Next Generation ION BAR



SIB5S Series

All-in-One Controller Ion Bar Maximizing Ion Generation by Minimizing Discharge Loss

By reducing corona discharge loss, it significantly increases ion generation. The Auto Duty function ensures optimal static elimination performance tailored to the polarity of the charged object. The all-in-one controller design and one-touch emitter pin replacement method maximize installation convenience and maintenance efficiency.

Key Features



Increased ion generation rate by reducing corona discharge loss



Easy management by minimizing emitter pin wear and contamination



One-touch design for easy replacement and cleaning of emitter pins



All-in-one controller



Configurable cleaning cycle via Tip Cleaning Alarm



Automatic adjustment of ion generation based on the polarity of the charged object (Auto Duty)



Auto-stop function upon abnormal high voltage detection



Adjustable input voltage according to the installation environment (when using SBP-07A2)

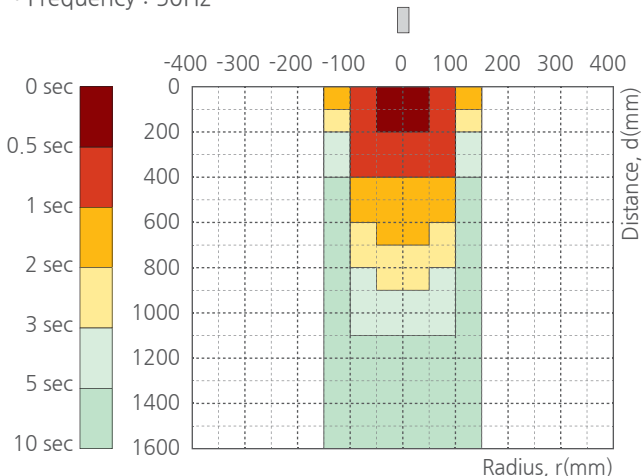
Specifications

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, N ₂)
Air Purge Connection Port	Pipe Thread 1/8"
Ion Balance	With in ±30V (1,000mm)
Ozone Concentration	≤0.05ppm
Main Body Material	Non-Flammable ABS (Level V0)
Electrode Material	Standard: Tungsten Option : Silicon / Titanium (SIE-4)
Electrode Replacement	Cartridge type
Operation Circumstance	0~+50℃(32~122°F), 35~85% RH
Mounting Method	Bolt Mounting with Bracket
Function	Remote Control
Adjust	Frequency [Hz] 1, 3, 5, 8, 10, 20, 30~100 (by 5Hz unit)
Function	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	SBP-RD (DC Power Supply)
Warranty	1 year

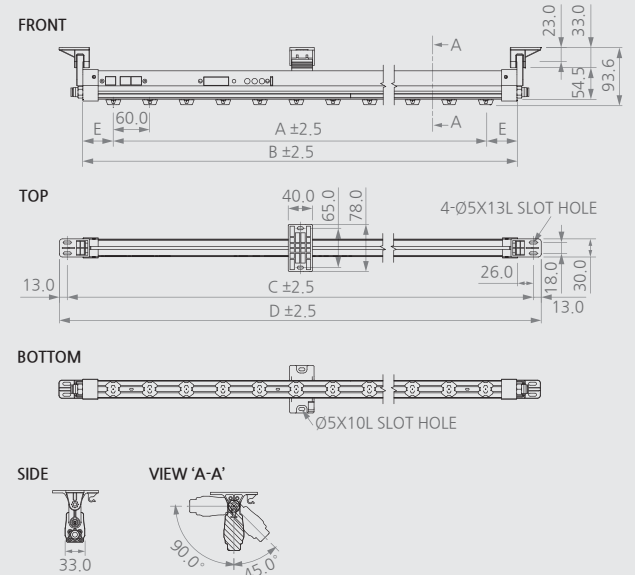
※ Design and specifications are subject to change without prior notice for quality improvement.

Decay Time Characteristics

- Socket : SIE-4E
- 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 : 50Hz



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	-
2	SIB5-700S	10	540	680	731	757	70	-
3	SIB5-800S	12	660	800	851	877	70	-
4	SIB5-900S	14	780	881	932	958	50.5	-
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