

# ION BAR

## SIB7 /SIB7A Series NEW Patent CE

Mini. Ion Bar



▶ Ion Bar SIB7 Series



### Key Features

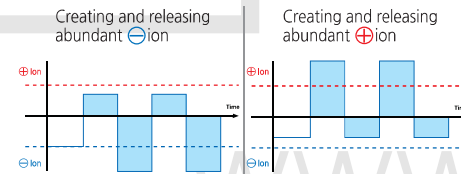
- All-in-one mini. ion bar (eg. controller internally installed) —possible to install in narrow space
- Stabilized ion creation without any external effects  
- Auto. Ion Volume (SIB7A) Patent
- Maximized the ion creation via reducing loss of corona discharging
- Power jumping function within ion bars (Max. 4 ion bar links) Patent
- Aerodynamic design nozzle socket reduces tip contamination
- One-touch in/out socket application Patent  
—Simple to swap new tips & Easy cleaning
- Fulfilled standization of the least Air consumption (Newly designed Socket minimized the air consumption but maximized the air pressure)

### SIB7A/SIB7 Series

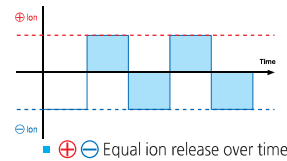


<One-Touch style Nozzle>

### Auto. Ion Volume - SIB7A



### Auto. Ion Volume



- ▶ With Auto Ion Volume Function, no biased  $\oplus$  or  $\ominus$  ion creation & distribute same amount of both  $\oplus$  /  $\ominus$  ions

### Specifications

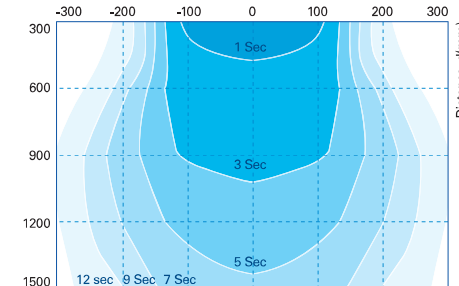
#### ▶ SIB7 Series

Model	SIB7 / SIB7A Series	Remark
Input Power	DC24V (±5%)	RJ45
Power Consumption	Max. 7.8W	
Ion-Generation Method	Corona Discharge Pulse AC	
Air Purge Supply Pressure	0.1 ~ 0.5 MPa	CDA(Clean Dry Air), N <sub>2</sub>
Air Purge Connection Port	Pipe Thread 1/8"	
Ion Balance	within ±30V	1,000mm
Ozone(O <sub>3</sub> ) Concentration	≤0.05ppm	
Main Body Material	Non-Flammable ABS	Level V0
Electrode Material	Standard Tungsten Option Silicon	
Emitter Replacement	Cartridge Type	
Operation Circumstance	0°C ~ +50°C (32°F ~ 122°F), 35% ~ 85% RH	
Dimensions	Please Refer to Dimension Drawing	
Mounting Method	Bolt Mounting with Bracket	
Adjust Function	Frequency [Hz]	0.1, 0.3, 1, 3, 5, 8, 10, 20, 30, 50 (10Steps)
	Duty Ratio [%]	40~70%
	Voltage [Level]	Level 1 ~ 10
Alarm Function	HV Abnormal Alarm	
Interface	Input	Remote
	Output	Run State, Alarm(HV Abnormal)
Operating Distance	50~2,000mm	
Option	SBRPD (DC Power Supply)	
Warranty	1 Year(After 1 year of your purchase)	

### Decay Time Characteristics

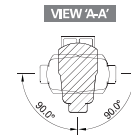
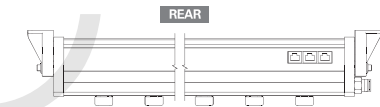
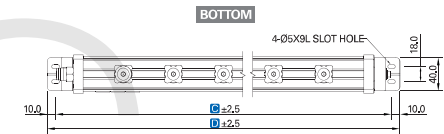
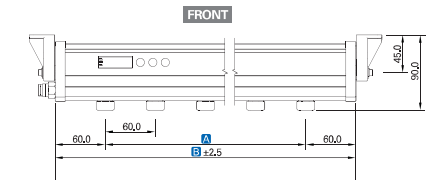
#### ▶ Test Conditions

- Model : SIB7-540
- 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, 44% ±2% RH
- Charge Plate Capacitance : 20pF(150 X 150 mm)
- Frequency : 30 Hz



### Dimensions

#### ▶ Ion Bar [SIB7 / SIB7A Series]



#### ▶ [Model : SIB7-360~540] Dimensions

MODEL	A	B	C	D
SIB7-360	240	360	402	422
SIB7-540	420	540	582	602

#### ▶ [Model : SIB7-600A~900A] Dimensions

MODEL	A	B	C	D
SIB7-600A	480	600	642	662
SIB7-660A	540	660	702	722
SIB7-780A	660	780	822	842
SIB7-900A	780	900	942	962