

All about electrostatics, our know-how is yours!

## The Next Generation

# ION BAR



## SSB1 Series

Possible to use not only in general environment but also high temperature environment (130°C).  
In addition, it is possible to select Pulsed AC type and DC type depending on a controller type.  
You can apply this ionizer to various working environment.



### Key Features

- Possible to use in high temperature environment (130°C)
- Possible to apply to various working environment
- Small / Slim body → Easy to install in a narrow space
- Various length of ion bar for numerous installing environment
- Tip cleaning device (Option)

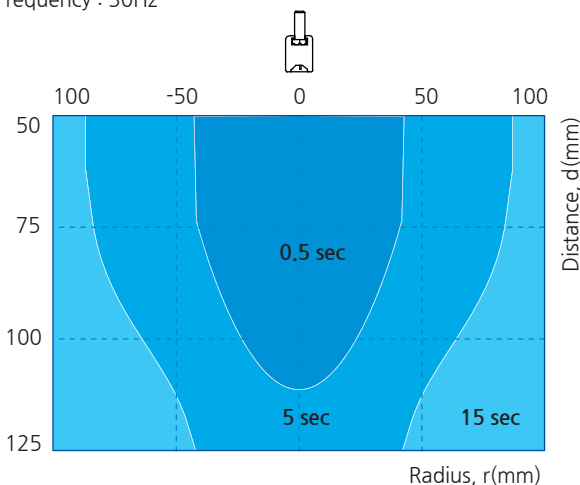
## Specifications

| Parameter                            | Description / Value                               | Remarks                                |
|--------------------------------------|---|--|
| Ion-Generation Method                | Corona discharge Pulsed AC or DC                  |  |
| Rated Voltage                        | Pulsed AC 10kVpp ±7% (Max.)<br>DC ±9kV ±7% (Max.) | AC : SBP-14J4 / SBP-06<br>DC : SBC-2PN |
| Structure                            | Direct-Coupled                                    |  |
| Ion Balance                          | Within ±50V at pulsed AC                          | 100mm                                  |
| Ozone(O <sub>3</sub> ) Concentration | ≤0.05ppm  |  |
| Material                             | Main Body   | Epoxy, MC Nylon                        |
|                                      | Cover   | Aluminum                               |
|                                      | Electrode   | Tungsten (Pitch : 30mm)                |
|                                      | Cable Insulator                                   | Silicone                               |
| Operating distance                   | 10 ~ 250mm  | Non air pressure                       |
| Operation Circumstance               | 0°C ~ +130°C (32°F ~ 266°F),<br>35% ~ 85% RH      |  |
| Tip Cleaning Cycle                   | 1 Week  | Electrode cleaning                     |
| Warranty                             | 1 year  |  |

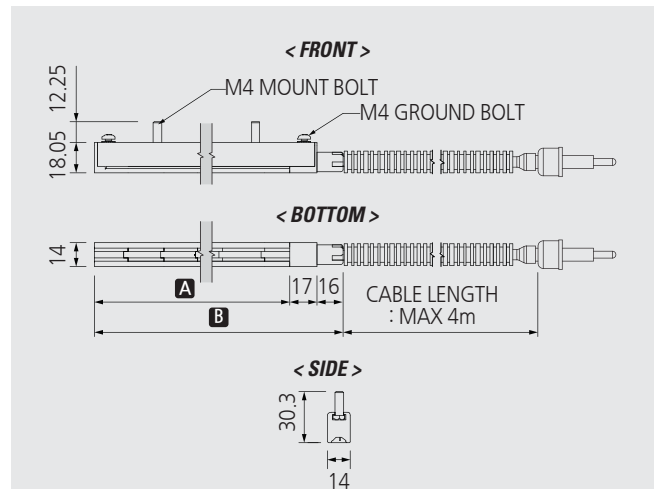
※ The appearance and specification of the product may be changed without prior notice for the improvement of the product.

## Decay Time Characteristics

- Model : SSB1-2700 / SBP-14J4
- Socket : None(Corona Tip : Tungsten)
- Air Pressure : None Air Pressure
- 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



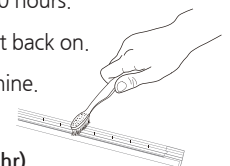
| MODEL / DIMENSION |           |          |      |      |                 |
|-------------------|-----------|----------|------|------|-----------------|
| No.               | MODEL No. | TIP Q'TY | A    | B    | MOUNT BOLT Q'TY |
| 1                 | SSB1-60   | 1        | 57   | 90   | 2               |
| 2                 | SSB1-100  | 3        | 101  | 134  | 2               |
| 3                 | SSB1-300  | 9        | 299  | 332  | 2               |
| 4                 | SSB1-500  | 16       | 497  | 530  | 2               |
| 5                 | SSB1-700  | 23       | 695  | 728  | 2               |
| 6                 | SSB1-900  | 29       | 893  | 926  | 2               |
| 7                 | SSB1-1100 | 36       | 1091 | 1124 | 3               |
| 8                 | SSB1-1300 | 43       | 1311 | 1344 | 3               |
| 9                 | SSB1-1500 | 50       | 1509 | 1542 | 3               |
| 10                | SSB1-1700 | 56       | 1707 | 1740 | 3               |
| 11                | SSB1-1900 | 63       | 1905 | 1938 | 3               |
| 12                | SSB1-2100 | 70       | 2103 | 2136 | 4               |
| 13                | SSB1-2300 | 76       | 2301 | 2334 | 4               |
| 14                | SSB1-2500 | 83       | 2499 | 2532 | 4               |
| 15                | SSB1-2700 | 89       | 2675 | 2708 | 4               |

※ Above is based on only 1 SSB1 Series bar.

## Maintenance

### ▶ Discharge needle cleaning

1. Be sure to power off before cleaning the ionizer.
2. Use brush( nylon ) or air compressor to clean the dirt. (E.g. tooth brush) But, if you are in clean space, use cotton materials to clean.
3. When there are any inks or oily dirt, apply alcohol(Methanol) or IPA in the cotton materials to wipe the dirty surface. But, do not forget to dry the cotton materials(first) before applying it. You need to clean once per every 3 month or after using 2,160 hours.
4. After cleaning the controller, you can turn it back on.
5. Record the date of you cleaned in the machine.



- Brush Cleaning : weekly (or after using 168hr)
- Alcohol Cleaning : once per 3 month (or after using 2,160hr)