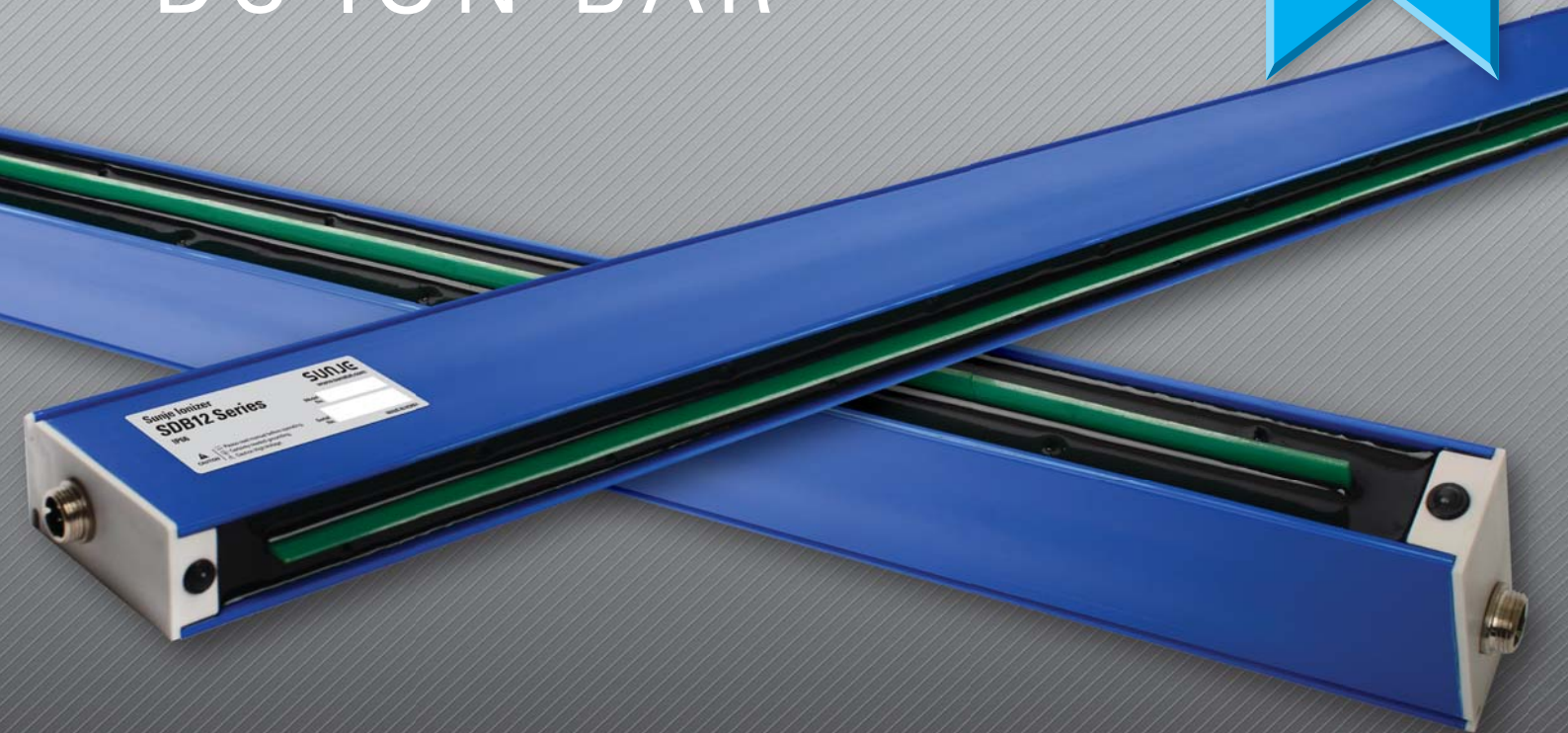


All about electrostatics, our know-how is yours!

# *The Next Generation* DC ION BAR

★ ★ ★  
**SPECIAL**  
Products



## *SDB12 / SDB24 Series*

Using high voltage, it is possible to eliminate electrostatic quickly from roll to roll machine or high charged object. This bar is IP 66 rating which is good for water proof and dust proof, and suitable for standard industry environment.



### *Key Features*

- High ion generation is useful for converting, printing, plastic machine and suitable for high speed, high charged object.
- DC bar's stable output and high durability
- Controller built-in type makes installation easy
- All in one type bar for Film, Textile, Paper, Printing, Coating Plastic molding etc.
- Shockless type bar protects unexpected shock
- IP 66 rating water/dust proof

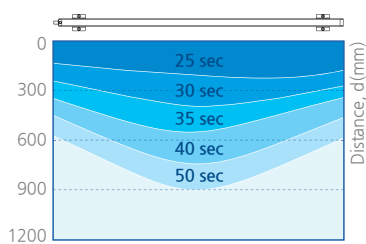
## Specifications

| Parameter             | Description / Value  |                      |
|-----------------------|----------------------|----------------------|
|                       | SDB12                | SDB24                |
| Input Power           | DC 24Vdc (±10%)      |                      |
| Current Consumption   | 0.5A (Max)           |                      |
| Output Voltage        | DC ±12kV             | DC ±25kV             |
| Overload Protection   | 2mA                  |                      |
| Primary Current       | 1.5mA                |                      |
| Output frequency      | 5Hz (± 1%)           | 1.6Hz (± 1%)         |
| Working Distance      | 50 ~ 300mm           | 200 ~ 500mm          |
| Construction Material | Teflon and PVC       |                      |
| Electrodes            | Tungsten             |                      |
| Fixing Holes          | 6 Ø                  |                      |
| Dimension             | 30 x 56 mm (W and H) | 29 x 66 mm (W and H) |
| Max Width             | 4000mm               | 3000mm               |
| Weight                | 0.7kg / meter        |                      |
| Connection Operating  | 4-pole connector M10 | 5-pole connector M10 |
| Circumstance          | 0 ~ 50°C, 35 ~ 85%   |                      |
| Protection            | IP 66 (Based DOC)    |                      |
| Warranty              | 1 year               |                      |

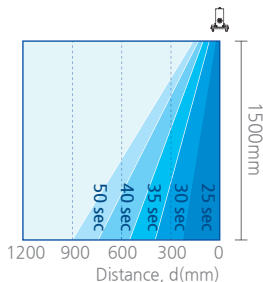
## Decay Time Characteristics

### ► Room Ionizer Type (SDB24 Series)

<Top View>



<Side View>



- Model : SDB24-2530
- Air Pressure : Non
- Measuring Equipment : Trek CPM-158A
- Temperature & Humidity : 26°C ± 1°C, 47% ± 2%RH

### ► Roll to Roll Type

SDB12 Series

| Dis-<br>tance<br>(mm) | Speed (m/min) |      |      |      |      |
|-----------------------|---------------|------|------|------|------|
|                       | 10            | 30   | 60   | 100  | 150  |
| 100                   | 130V          | 180V | 240V | 280V | 300V |
| 200                   | 170V          | 220V | 280V | 310V | 340V |
| 300                   | 200V          | 250V | 320V | 370V | 390V |

SDB24 Series

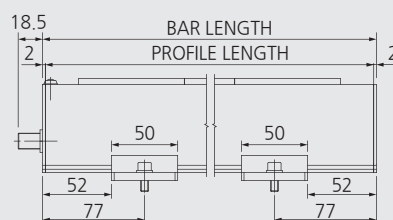
| Dis-<br>tance<br>(mm) | Speed (m/min) |      |      |      |      |
|-----------------------|---------------|------|------|------|------|
|                       | 10            | 30   | 60   | 100  | 150  |
| 100                   | 60V           | 90V  | 120V | 180V | 210V |
| 200                   | 80V           | 120V | 140V | 210V | 250V |
| 300                   | 100V          | 150V | 210V | 280V | 320V |
| 400                   | 210V          | 240V | 280V | 360V | 450V |
| 500                   | 290V          | 330V | 370V | 480V | 610V |
| 600                   | 340V          | 410V | 350V | 650V | 780V |
| 700                   | 420V          | 550V | 680V | 800V | 950V |

\* Standard :

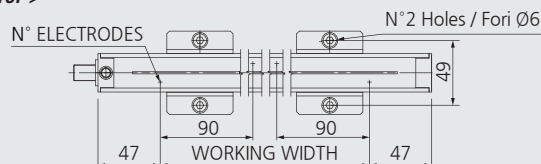
Our laboratory equipment  
/ PE film

## Dimensions

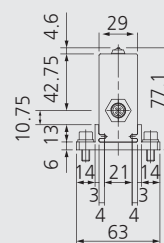
<FRONT>



<TOP>



<SIDE>



SDB12 Series

| No. | Tip Q'TY | Working Width | Total Width | No. | Tip Q'TY | Working Width | Total Width |
|-----|----------|---------------|-------------|-----|----------|---------------|-------------|
| 1   | 10       | 360           | 454         | 18  | 44       | 1720          | 1814        |
| 2   | 12       | 440           | 534         | 19  | 46       | 1800          | 1894        |
| 3   | 14       | 520           | 614         | 20  | 48       | 1880          | 1974        |
| 4   | 16       | 600           | 694         | 21  | 50       | 1960          | 2054        |
| 5   | 18       | 680           | 774         | 22  | 52       | 2040          | 2134        |
| 6   | 20       | 760           | 854         | 23  | 54       | 2120          | 2214        |
| 7   | 22       | 840           | 934         | 24  | 56       | 2200          | 2294        |
| 8   | 24       | 920           | 1014        | 25  | 58       | 2280          | 2374        |
| 9   | 26       | 1000          | 1094        | 26  | 60       | 2360          | 2454        |
| 10  | 28       | 1080          | 1174        | 27  | 62       | 2440          | 2534        |
| 11  | 30       | 1160          | 1254        | 28  | 64       | 2520          | 2614        |
| 12  | 32       | 1240          | 1334        | 29  | 66       | 2600          | 2694        |
| 13  | 34       | 1320          | 1414        | 30  | 68       | 2680          | 2774        |
| 14  | 36       | 1400          | 1494        | 31  | 70       | 2760          | 2854        |
| 15  | 38       | 1480          | 1574        | 32  | 72       | 2840          | 2934        |
| 16  | 40       | 1560          | 1654        | 33  | 74       | 2920          | 3014        |
| 17  | 42       | 1640          | 1734        |     |          |               |             |

SDB24 Series

| No. | Tip Q'TY | Working Width | Total Width |
|-----|----------|---------------|-------------|
| 1   | 6        | 450           | 544         |
| 2   | 8        | 630           | 724         |
| 3   | 10       | 810           | 904         |
| 4   | 12       | 990           | 1084        |
| 5   | 14       | 1170          | 1264        |
| 6   | 16       | 1350          | 1444        |
| 7   | 18       | 1530          | 1624        |
| 8   | 20       | 1710          | 1804        |
| 9   | 22       | 1890          | 1984        |
| 10  | 24       | 2070          | 2164        |
| 11  | 26       | 2250          | 2344        |
| 12  | 28       | 2430          | 2524        |
| 13  | 30       | 2610          | 2704        |
| 14  | 32       | 2790          | 2884        |
| 15  | 34       | 2970          | 3064        |