Photo Bar

SXB-05NSRL Series



Key Features

- By applying high current, it achieves superior static elimination performance compared to the SXB-05NR.
- Efficiently designed for application in various spaces and constrained (obstructed) spaces.
- Ion Balance ±0V
- · Maintains initial performance throughout lifespan.
- No need for Clean Dry Air (CDA); no particle scattering.
- Supports up to 9 tubes for wide-range static elimination.
- Easy separation and guick on-site replacement with tube module structure.
- Economical maintenance with separate tube purchases.

Specifications

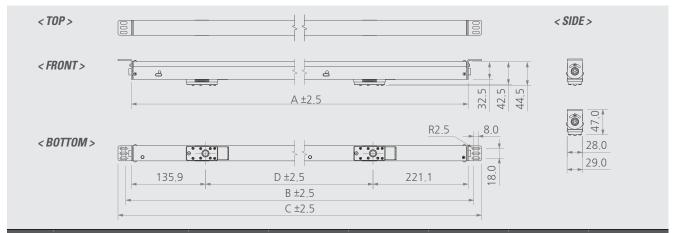
Parameter	Description / Value
Ion Generation Method	Soft X-ray
Source	Soft X-ray Tube
Tube Voltage	4.9kV
Beam Angle	150°
Power Consumption	Max. 150W
Operation Circumstance	0°c ~ +50°c(32°F ~ 122°F), 35% ~ 85% RH
Warranty	1 year

^{*} The appearance and specification of the product may be changed without prior notice for the improvement of the product.





Dimensions



No.	Model No.	Tube Q'ty	Α	В	C	D	Mid. BRKT Q'ty
1	SXB-05NSRL-300-1	1	357	381	410	-	-
2	SXB-05NSRL-600-2	2	668	692	721	1	1
3	SXB-05NSRL-900-3	3	979	1003	1032		
4	SXB-05NSRL-1200-4	4	1290	1314	1343	- 1 1 1	2
5	SXB-05NSRL-1500-5	5	1601	1625	1654	311	
6	SXB-05NSRL-1800-6	6	1912	1936	1965	1	
7	SXB-05NSRL-2200-7	7	2223	2247	2276		3
8	SXB-05NSRL-2500-8	8	2534	2558	2587	7 	5
9	SXB-05NSRL-700-2	2	777	801	830	 	
10	SXB-05NSRL-1100-3	3	1117	1221	1250		2
11	SXB-05NSRL-1500-4	4	1617	1641	1670	- - 	2
12	SXB-05NSRL-2000-5	5	2037	2061	2090	420	
13	SXB-05NSRL-2400-6	6	2457	2481	2510	- 	
14	SXB-05NSRL-2800-7	7	2877	2901	2930		3
15	SXB-05NSRL-3200-8	8	3297	3321	3350	1	

Product compositions



Connection Controller

lmage		or	
Category	Soft X-ray Controller	- or	Soft X-ray Controller
Item Name	SXC-10BT	- 01	SXC-10BL

Options

lmage	000		o o o	
Category	Tube Module	Middle Bracket	Boost Module	Output Cable(1m)
Item Name	SXB-05NS-T	SBR-XB-1-001	SXB-BM	SOC-BM-1-001





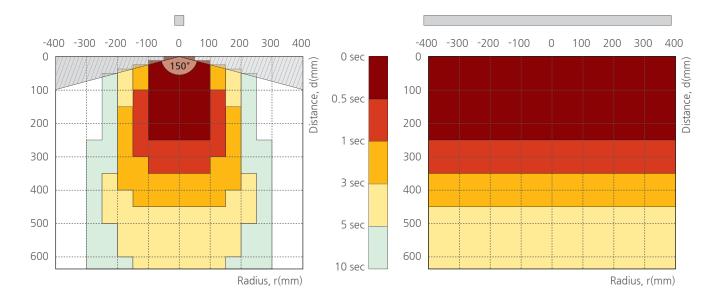
Decay Time Characteristics

► SXB-05NSR / SXB-05NSRL / SXB-05NRI / SXB-05NRIL / SXB-05SP1R / SXB-05SP1RL / SXB-05SP2 / SXB-05SP2L

• Decay Time: ±1,000V to ±100V

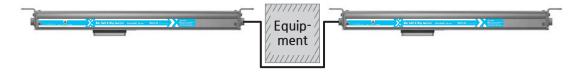
• Temperature & Humidity: 24℃, 50%RH

• Charge Plate Capacitance: 20pF (150 X 150mm)

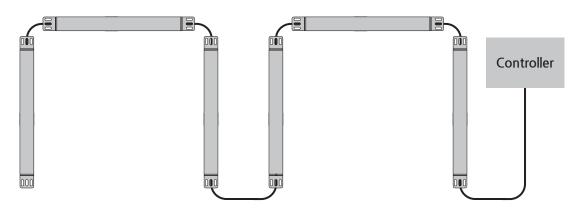


Application

· When multiple ionizers are required



• If there are obstacles in the installation site





Radiation Shielding methods

Electrostatic Total Solution

What are soft X-rays?

X-ray can be sorted according to its penetrating power, and an X-ray which has weaker penetrating power that can be absorbed easily in thin layer of the air is called the soft X-ray.

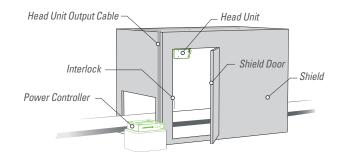
Benefits of Soft X-ray Ionizer

- Perfect Ion Balance (±0V)
- No CDA (Clean Dry Air) required
- No dust generation
- No ozone (O₃) generation

- · High ion generation density
- Static electricity can be removed even under inert gas conditions such as N2 and Ar

Shield installation compositions

- * Please be careful to avoid direct exposure from the soft X-ray, since it may cause any skin problems. Therefore, you need to shield the area where X-ray emits in order to protect yourself.
- * Please keep in mind that allowed leakage level for radiation dose is 1µSv/hr or under, So keep your area under the mentioned level all the time. (The leakage level of radiation dose might differ in countires)
- * Please refer to the below chart for possible materials of shielding and its acceptable thickness.



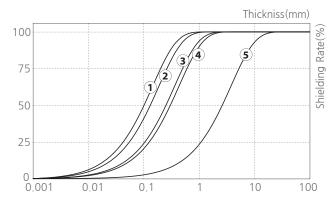
Radiation

With radiation You can ionize some substance, Energy flow that radiated substance generates.

Radiation is neither accumulated nor contaminated. Due to uncertainty that human cannot judge by five senses, its danger is exaggerated than the actual. Radiation can be made intentionally, but also stays in the nature at all times just like other energy flow.

Shielding methods

See the following graph for references. Select the ideal tickness and quality of shielding material.



No.	Shield Material	Thickness [mm]
1	SUS	Over 0.2
2	Aluminium	Over 0.25
3	Glass	Over 0.5
4	PVC	Over 0.6
5	Acrylic	Over 5.0

▲ Warring

- * Please shield the area where the customer is willing to install the soft X-ray device for safety issue.
- * After shielding process, please connection to your own interlock system to operate the X-ray device On/Off when the door is opened/closed.



