

SXH-05SP1

By using mini-size X-ray tube, you can find the downsized tube module. This product is not only useful to install in narrow area but also able to install in the stage and at the bottom surface so that direct ionization shows better performance. Also purchasing individual part brings you cost saving.

Key Features

- It can deliver ionized air to rear side of the target directly by installing on the bottom surface.
- Embodied downsized tube module with a mini-size X-ray tube.
- Can be installed in a narrow area and applied for various environment.
- Easy attachable/detachable Module structure.
- Purchasing by the individual parts brings economic savings.
- With RMS(Real Monitoring System), possible to check operation status in real time. (Option) [Patent](#)



Specifications

Parameter	Description / Value	Remarks
Ion Generation Method	Soft X-ray	
Source	Soft X-ray Tube	
Tube Voltage	4.9kV	
Beam Angle	150°	
Power Consumption	Max. 10W	Based on 1 Head
Operation Circumstance	0°C ~ +50°C(32°F ~ 122°F), 35% ~ 85% RH	
Weight	SXH-05SP1 : 0.37kg	Standard Type
	SXH-05SP1-OP : 0.46kg	Tube Replacement Type_Option
Warranty	1 year	

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

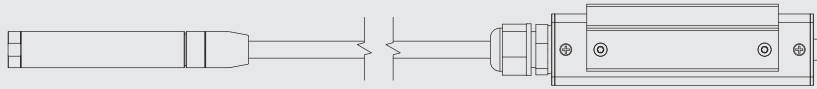
Soft X-ray Ionizer

Electrostatic Total Solution

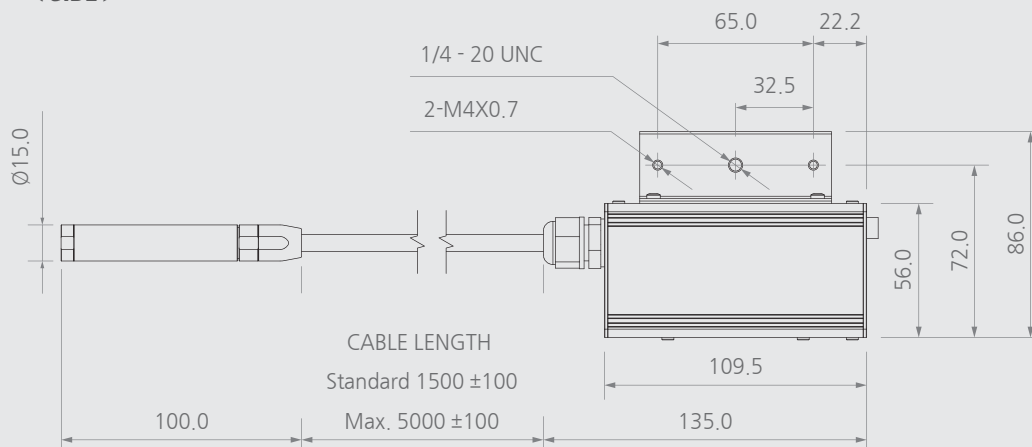
Dimensions

※ SXH-05SP1 (Standard)

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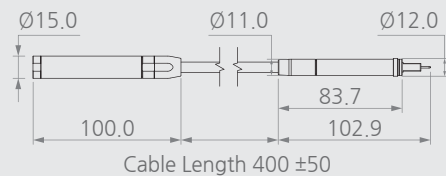
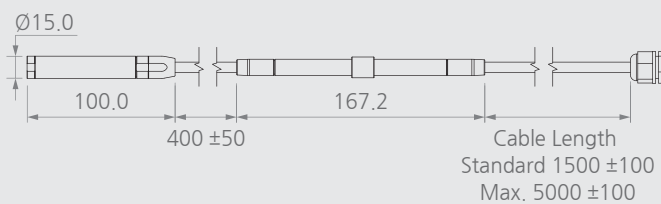
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※ SXH-05SP1-OP (Tube Replacement Type_Option)

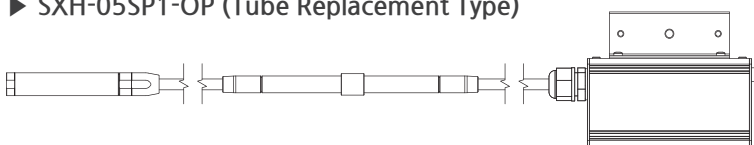
※ SXH-05SP1-TM (Tube Module_Option)

< SIDE > ※ Main body size is same

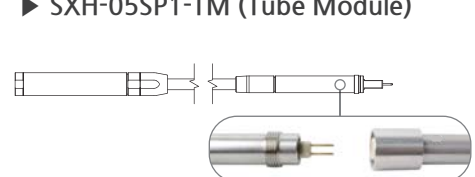


Option

▶ SXH-05SP1-OP (Tube Replacement Type)



▶ SXH-05SP1-TM (Tube Module)



- Purchasing by the individual parts(Tube & H/V) brings economic savings.

Soft X-ray Ionizer

Electrostatic Total Solution

Controller

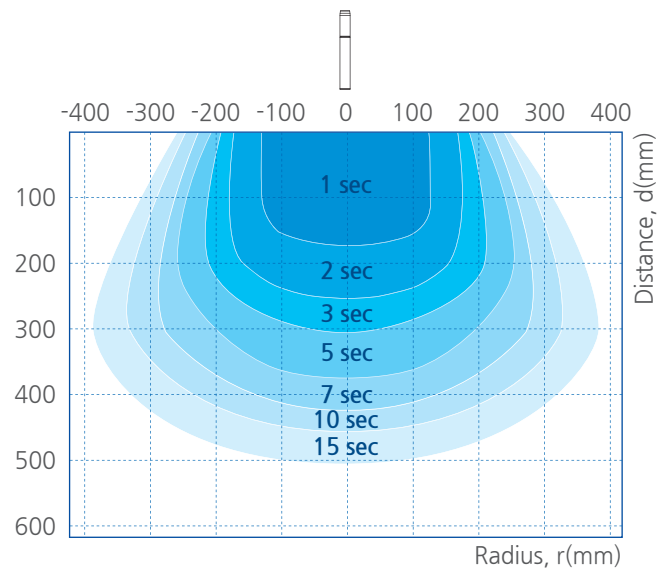
► SXC-104N

This is a controller for Soft X-ray Ionizer of sunje.
It is possible to connect up to 4 Head Units, also it can be control of head units through RS-485 communication.



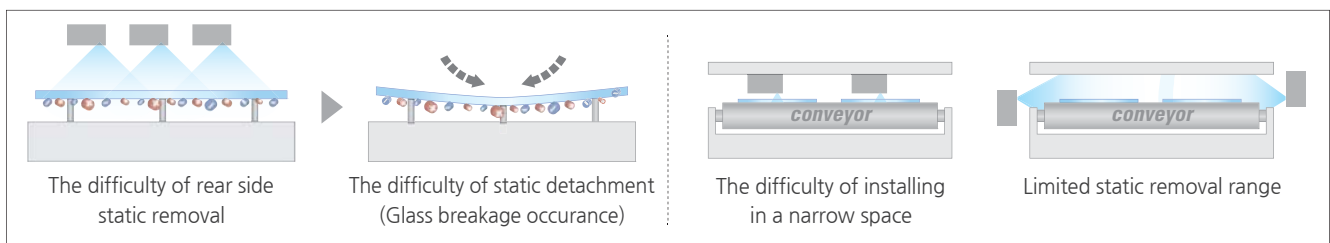
Decay Time Characteristics

- Model : SXH-05SP1
- Decay Time : $\pm 1,000V$ to $\pm 100V$
- Charge Plate Capacitance : 20pF(150 X 150 mm)
- Temperature & Humidity : 24°C, 50%RH

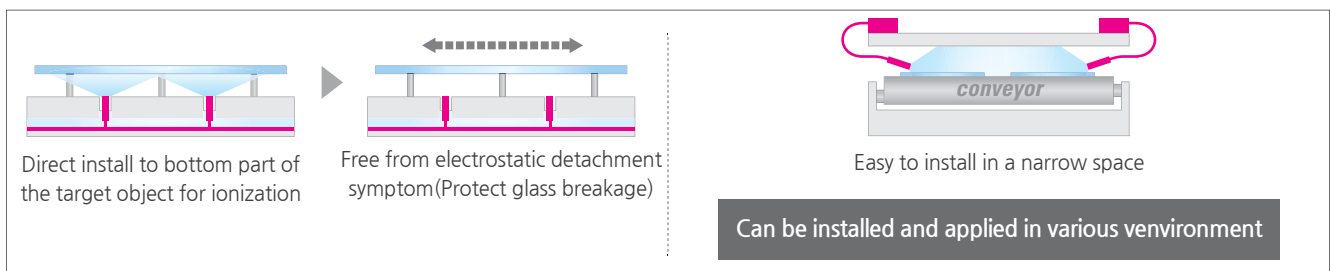


Application

► Existing Products



► SXN-05SP1



Radiation Shielding methods

Electrostatic Total Solution

What are soft X-rays?

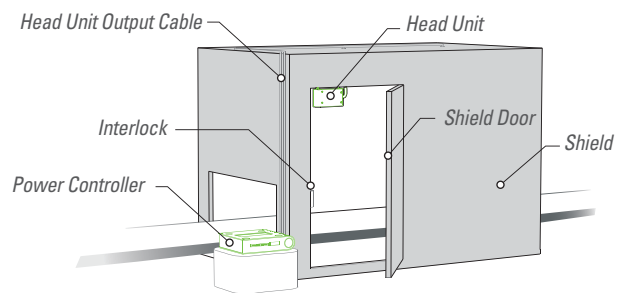
X-ray can be sorted according to its penetrating power, and an X-ray which has weaker penetrating power that can be absorbed easily in thin layer of the air is called the soft X-ray.

Benefits of Soft X-ray ionizer

- Perfect Ion Balance ($\pm 0V$)
- 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 $1\mu Sv/hr$ or under, So keep your area under the mentioned level all the time. (The leakage level of radiation dose might differ in countries)
- * Please refer to the below chart for possible materials of shielding and its acceptable thickness.



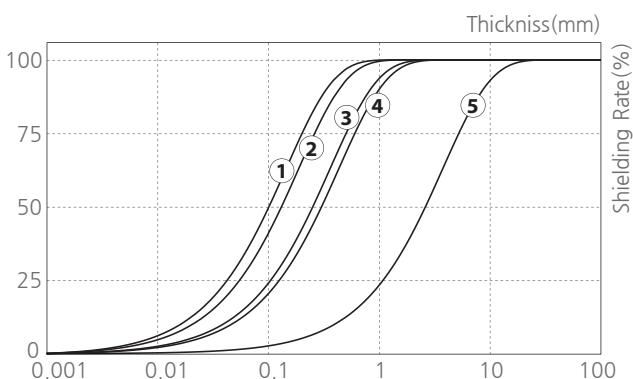
Radiation

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

Warning

- * 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.

SXH-10SP1

By using mini-size X-ray tube, you can find the downsized tube module. This product is not only useful to install in narrow area but also able to install in the stage and at the bottom surface so that direct ionization shows better performance. Also purchasing individual part brings you cost saving.

Key Features

- It can deliver ionized air to rear side of the target directly by installing on the bottom surface.
- Embodied downsized tube module with a mini-size X-ray tube.
- Can be installed in a narrow area and applied for various environment.
- Easy attachable/detachable Module structure.
- Purchasing by the individual parts brings economic savings.
- With RMS(Real Monitoring System), possible to check operation status in real time. (Option) [Patent](#)



Specifications

Parameter	Description / Value	Remarks
Ion Generation Method	Soft X-ray	
Source	Soft X-ray Tube	
Tube Voltage	11kV	
Beam Angle	150°	
Power Consumption	Max. 10W	Based on 1 Head
Operation Circumstance	0°C ~ +50°C(32°F ~ 122°F), 35% ~ 85% RH	
Weight	SXH-10SP1 : 0.37kg	Standard Type
	SXH-10SP1-OP : 0.46kg	Tube Replacement Type_Option
Warranty	1 year	

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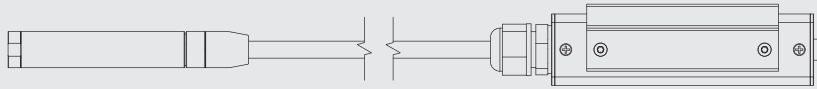
Soft X-ray Ionizer

Electrostatic Total Solution

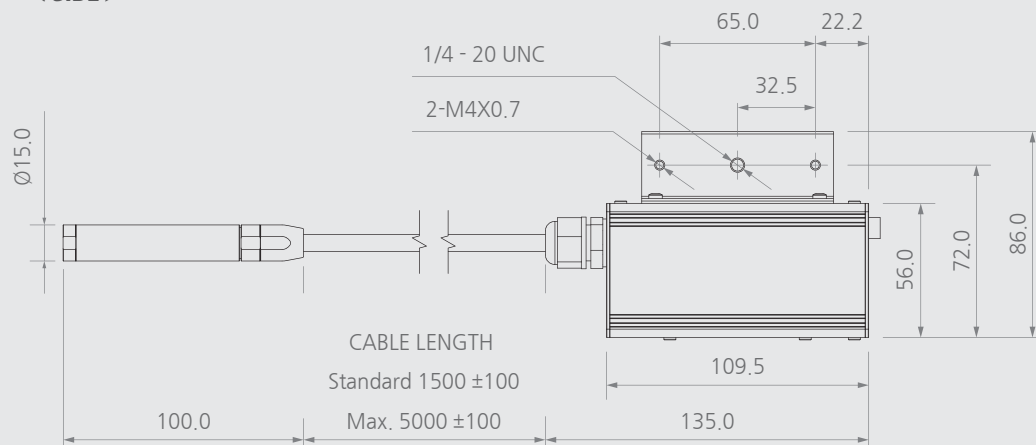
Dimensions

※ SXH-10SP1 (Standard)

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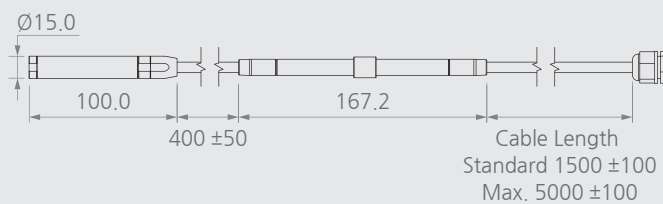
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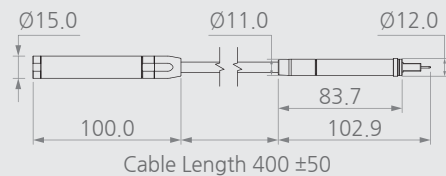
< REAR >

※ SXH-10SP1-OP (Tube Replacement Type_Option)

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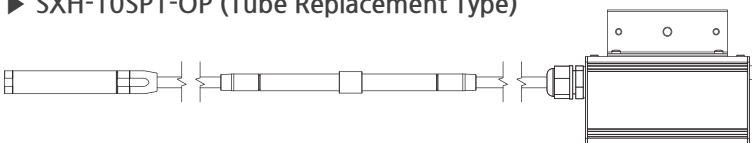


※ SXH-10SP1-TM (Tube Module_Option)

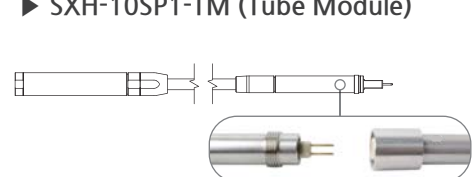


Option

▶ SXH-10SP1-OP (Tube Replacement Type)



▶ SXH-10SP1-TM (Tube Module)



- Purchasing by the individual parts(Tube & H/V) brings economic savings.

Soft X-ray Ionizer

Electrostatic Total Solution

Controller

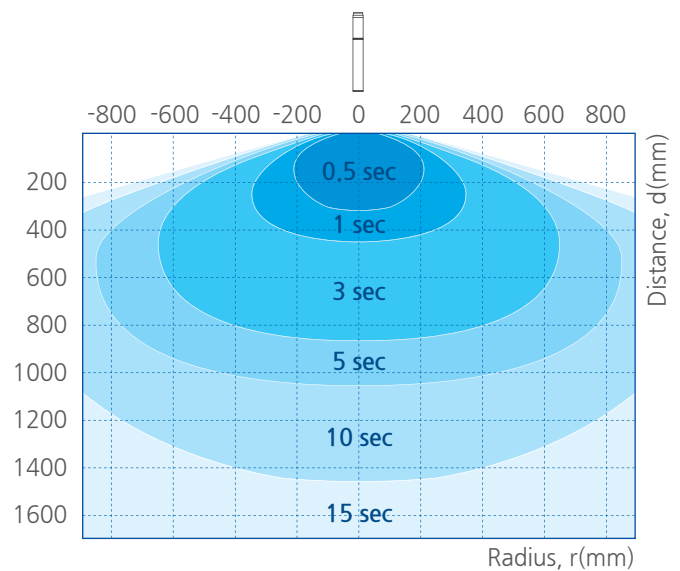
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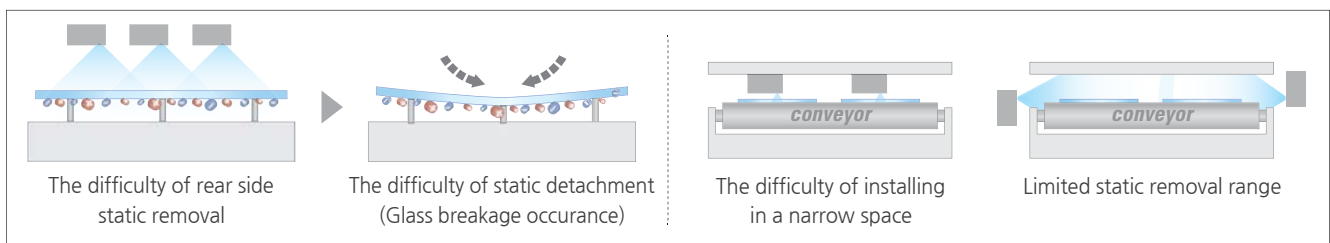
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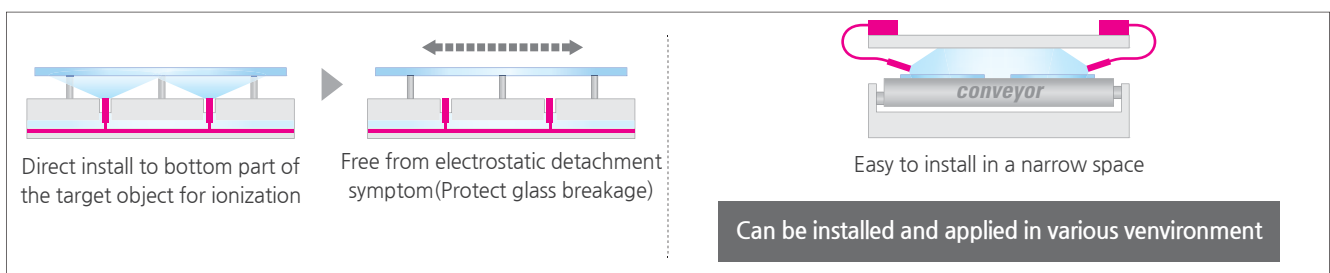


Application

► Existing Products



► SXN-10SP1



Radiation Shielding methods

Electrostatic Total Solution

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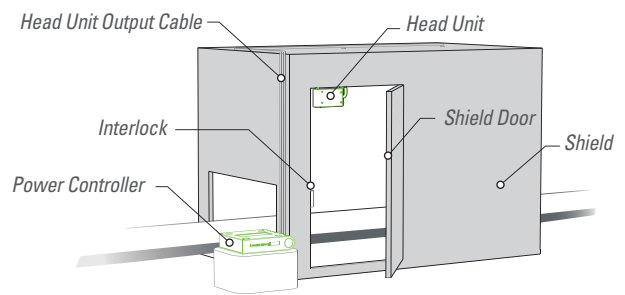
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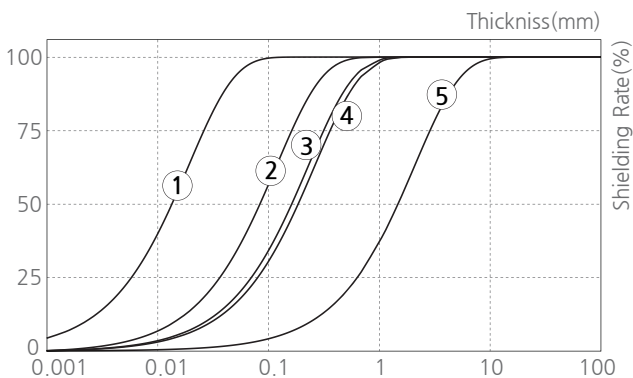
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