

VSB-XXXXRD

5KV photo bar (Modular) ionizer with replaceable tube.
XXXX: Length of bar

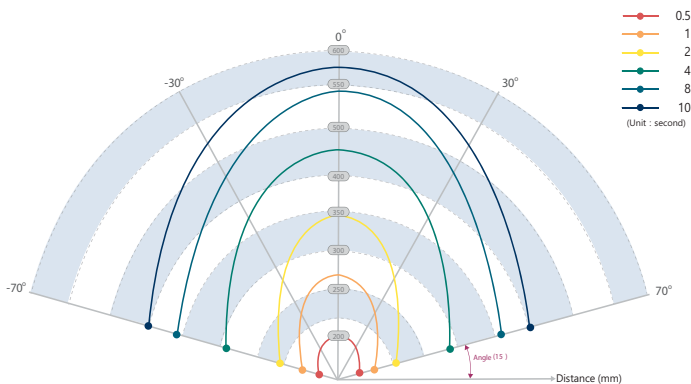


• How does soft X-Ray ionizer work?

The principle behind soft x-ray static elimination is the use of air ionization of soft x-rays. Soft x-rays are easily absorbed within the atmosphere to generate positive and negative ions. These positive and negative ions move being pulled according to the electrical charge of the electrified object according to coulomb's force and ultimately meeting with the electrified charge to become neutralized. Different from corona discharge type, soft x-ray, a form of light, is used and is suitable for use in clean rooms as peeling of metal is caused by ion collisions due to discharge does not occur.

XXXX: Length / mm									
VSB-XXXXRD									
VSB-900RD	VSB-950RD	VSB-1200RD	VSB-1250RD	VSB-1300RD	VSB-1500RD	VSB-1550RD	VSB-1600RD	VSB-1650RD	VSB-1800RD
VSB-1850RD	VSB-1900RD	VSB-1950RD	VSB-2000RD	VSB-2100RD	VSB-2150RD	VSB-2200RD	VSB-2250RD	VSB-2300RD	VSB-2350RD
VSB-2400RD	VSB-2450RD	VSB-2500RD	VSB-2550RD	VSB-2600RD	VSB-2650RD	VSB-2700RD			

• Ionization Performance According To Distance



• Advantages of soft X Ray ionizer

Perfect ion balance

Unlike corona discharge electrodes that use high-pressure negative electrons, it equally generates positive and negative ions by using soft x ray, in turn enabling even ionization capacities unrelated to surface charge polarity.

No occurrence of metal dust

It is suitable for use in clean rooms highly sensitive to contamination as metal dusts are not generated as corona discharge electrodes are not used. It also prevents product defects caused by metal dust and requires minimal maintenance costs compared to corona discharge electrode.

Fast ionization speeds

Faster ionization speeds compared to corona discharge types based on high ionization density.

No occurrence of ozone

Unlike corona discharge that provides ozone (strong oxidizing gas) in atmospheric discharges, it has no atmospheric discharge, in turn preventing harmful health effects and corrosion of equipment.

• Specification

Tube voltage(DC)	4.98 kV
Beam angle	150°
Power input	DC 24V
MAX consumption	12W
Weight	350mm: 0.37 kg 300mm: 0.35 kg

• Environmental

Operation temperature	0~40°C
Storage temperature	-10°C~60°C
Operation humidity	Less than 60%
Storage humidity	Less than 85%

○ Head office

ADDRESS: [28182]151-33, Namseokro, Namji-myeon, Seowon-gu, Cheongju-si, Chungcheongbuk-do, Korea
 TEL: +82-43-267-9039 FAX: +82-43-269-4039 E-MAIL: sales@vsi.co.kr

○ Factory

ADDRESS: [30067] 328, Songam-ro, Yeondong-myeon, Sejong-si
 TEL: +82-44-868-9041 FAX: +82-43-269-4039



Product Details

VSC-108E (Controller)

• Specification

Power input	100~240V, 50/60Hz
MAX consumption	MAX 8ch 70 W
Weight	0.9 kg
I/O Interface	Remote, Interlock, Fail
Serial communication	RS-485
I/O Pin Connector	DSUB15P Female

A controller for photo bar (modular) ionizer. It can control max 8 modules

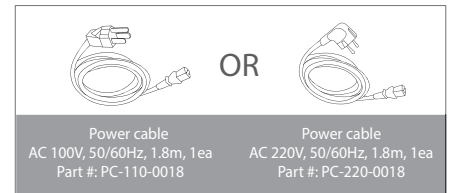
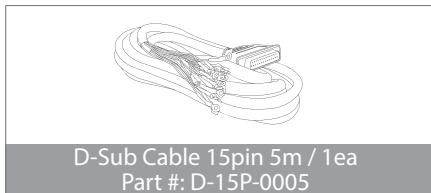
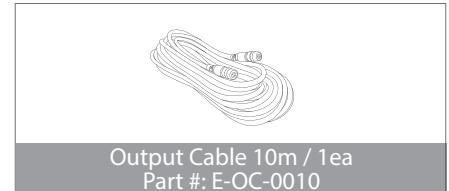
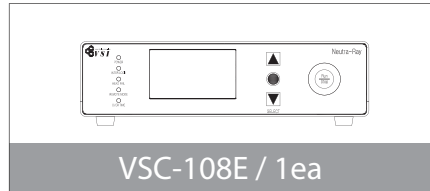
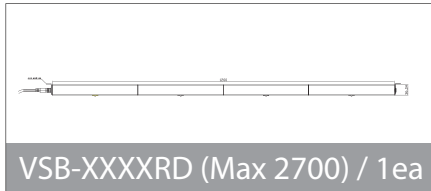


• Radiation Material

Shield material	Material thickness
Stainless steel	0.2
Aluminum	0.3
glass	0.4
PVC	0.8
Acrylic	4

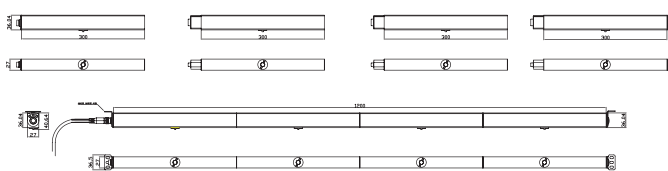


• Composition



• Dimensions (unit:mm)

Head



Controller

