

# High Vacuum Ionizer

## Electrostatic Total Solution

### SHV



Head



Power Controller

## Key Features

- Ion source capable of high-speed static elimination in high vacuum environments.
- Real-time On/Off control without operational delay.
- No need for separate process gas, ensuring no impact on chamber pressure.
- Does not generate ultraviolet or other harmful wavelengths.
- No separate cooling device required.
- Custom flange provided to fit the installation chamber.

## Specifications

### • Head

Parameter	Description / Value
Ion Generation Method	Electro-Magnetic Field
Operation Circumstance	$10^{-5} \sim 10^{-8}$ torr
Material	SUS 304, Polycarbonate
Weight	2.86kg
Warranty	1 year

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

### • Power Controller

Parameter	Description / Value
Input Power	24Vdc / 2.5A
Output Power	0~5kVdc (Max 2mA)
Input Current	24Vdc, 2.0A
Connection	1:1 Type / 1:2 Type
Interface	Alarm, Interlock, Remote, Status, RS485
Material	EGI (Power Coating)
Weight	2.8kg
Warranty	1 year

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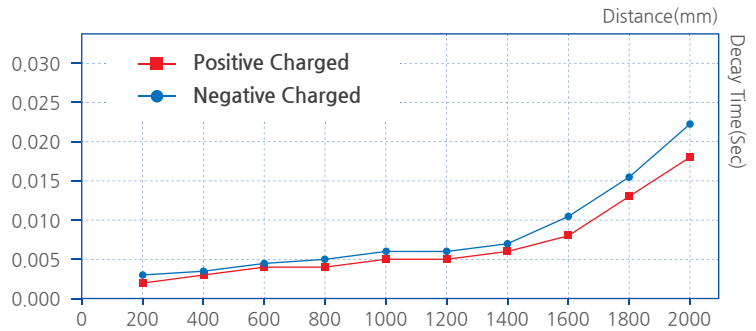
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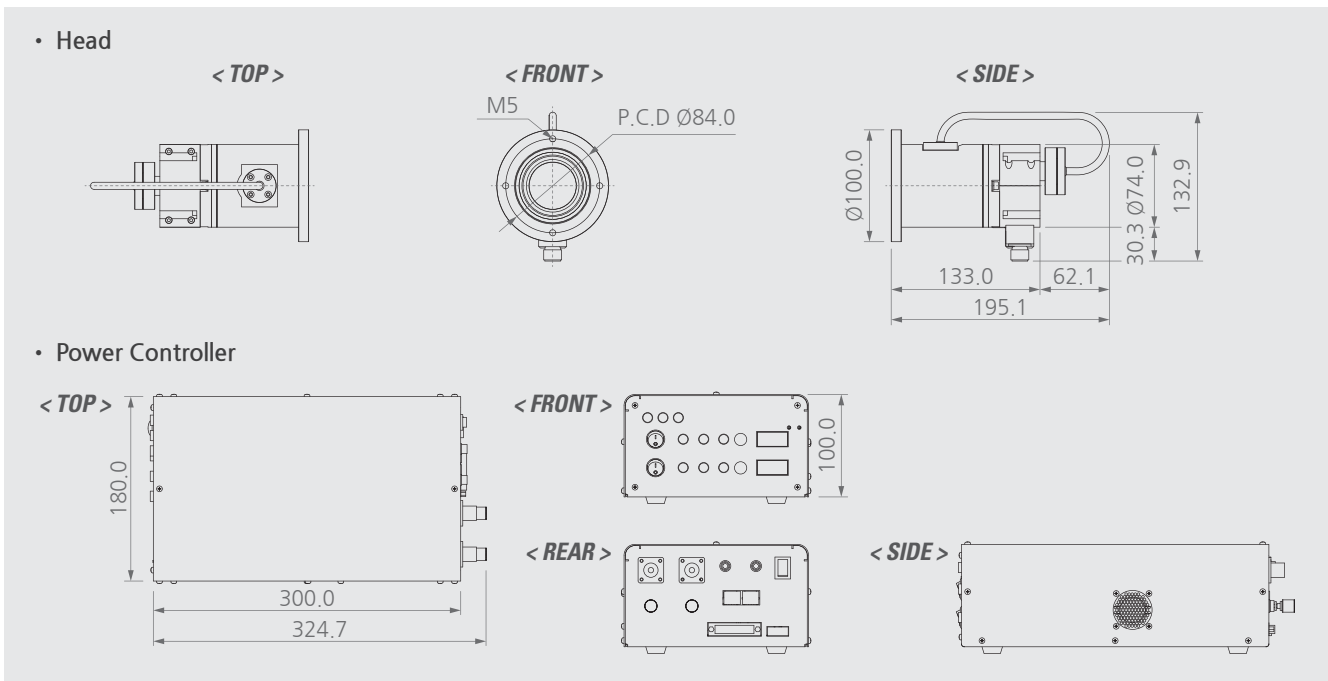
## Decay Time Characteristics

### According to distance

- Vacuum Level :  $3 \times 10^{-7}$  torr
  - Charged Voltage :  $\pm 1000V \rightarrow \pm 100V$
  - Distance : 200mm ~ 2000mm
- ※ The data on the right was measured in our test chamber and may vary depending on the installation environment and conditions.



## Dimensions



## Product Compositions

Image					
Name	Head	Power Controller	High Voltage Cable(5m) / 2ea	D-Sub Cable(5m)	Terminal Block
Code	SHV-H	SHV-P-01	SHC-HV-1-001	SDC-VC-1-001	STB-VC-1-001

## Options

Image			or			
Name	Adapter(DC 24V / 2.5A)	Power Cable(AC 100V)	or	Power Cable(AC 220V)	Ground Cable(Ø6-Ø4, 1m)	UTP Cable(10m)
Code	SAD-MT-3-003	SPC-MT-1-001	or	SPC-MT-2-001	SGC-MT-6-001	SUC-B3-1-001