

Chamber Type Ionizer

Infrared Sensor Ion Chamber

SIC-150

SIC-150 shows excellent performance for removing static and dust from semiconductor and small electronic device. SIC-150 has an infrared ray sensor and **produces ion automatically** when the electrified body is in the chamber. Also, collecting device **attaches/removes fine dust floating in the process**, decreases defect rate remarkably, and is effective for cost saving on maintenance.



▶ Infrared ray sensor applied



▶ Air filter installed(0.3 μ m)

Key Feature

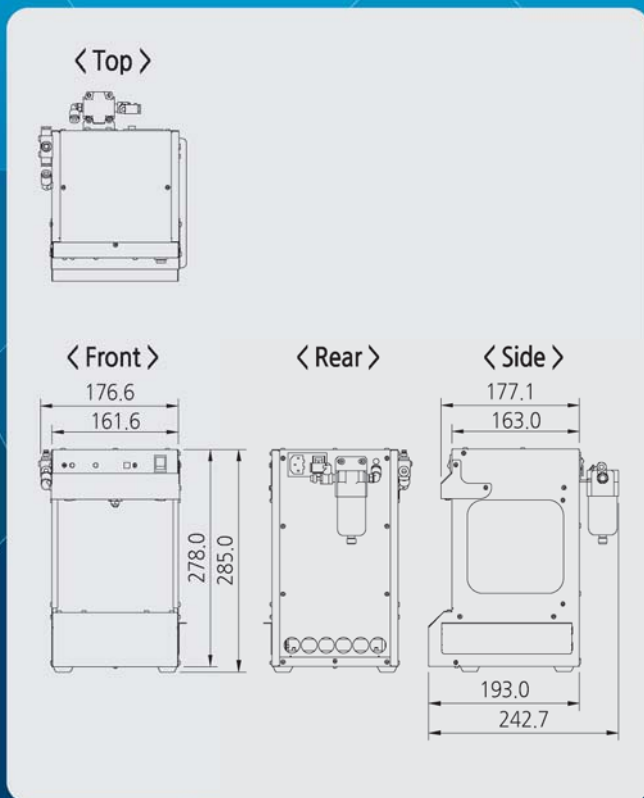
- 01 Chamber type Ion Nozzle
- 02 Ion balance within $\pm 20V$
- 03 Suitable for **small parts and products** static ionization
- 04 **Infrared ray sensor** detects material inside the chamber and operates SIC-150
- 05 **Air Filter** applied (0.3 μ m)
- 06 Secondary contamination can be prevented **via dust collecting unit**

Specifications

Parameter	Description / Value	Remarks
Input Power	AC 100 ~ 240V, 50/60Hz	
Power Consumption	20W	
Current Consumption	90mA	AC 220V
Ion-Generation Method	High Frequency AC	Piezo
Ion Balance	Within $\pm 20V$	
Air Purge Supply Pressure	0.1 ~ 0.5MPa	CDA(Clean Dry Air), N2
Operation Circumstance	0°C ~ +50°C(32°F ~ 122°F), 35% ~ 85% RH	
Main Body Material	SUS 304	
Electrode Material	Tungsten / Titanium	
Weight	3.3kg	
Sensor	Photoelectric Sensor	
Air Flow	2.499m ³ /min	Maximum
Alarm Function	H/V Abnormal	
Warranty	1 year	
Photoelectric Sensor(HP100-A1)		
Detection System	Diffuse-scan	
Power Supply	10 to 30Vdc (ripple 10% max.)	
Current Consumption	Max. 16mA	
Scanning Distance	1m	
Differential Travel	Max. 20% (at rated scanning distance)	
Operation Mode	Light-ON / Dark ON selectable by switch	
Response Time	500ms max. for both operation and recovery	
Emitter	Infrared LED	
Ambient Light Immunity	Incandescent Lamp : Max. 10,000 lux Sunlight : Max. 40,000 lux	

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

Dimensions



Applications



- ▶ Cell phone, small glass, optical lens, semiconductor, static elimination or dust/particle cleaning of electric devices
- ▶ Elimination of dusts from medical and cosmetic containers
- ▶ Eliminates static problems & Removes dust/particle on the static-sensitive PCB ASS'Y