



HIGH VOLTAGE POWER SUPPLY IONIZER

MODEL: SJ-1000



SEJIN ***Specification***



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Introduction of HIGH VOLTAGE GENERATOR

Negative ions help freshen and purify the air by causing allergens such as pollen, mold spores, dust, and animal dander floating in the air (which have either a neutral or a positive charge) to be attracted to and stick to each other, forming 'clumps' (because opposite charges attract). These clumps of particles then become heavy enough so that gravity can pull them down to the floor, where they can be vacuumed up, rather than staying in suspension where they can be breathed in and cause allergic reactions.

Depression & Mood

Negative ions also have been shown to help lift mood, alleviate depression and seasonal affective disorder (winter depression or SAD). There is even a patent by a prominent researcher and institution for the treatment of depression with negative ions.

Negative ionization of the air does a superb job of eliminating most tiny particles that float in the air. They are normally suspended in the air (even when the air in the room seems calm) just by the normal convective air currents. You've seen dust floating in a beam of sunlight shining in the window, haven't you? Well, when a high-density negative ionizer (such as our IG-133- series models) is in operation in the room, you see very little (if any) of that. It's really quite impressive to experience. That is the reason they can help people with allergies: they help remove dust, pollen, mold spores, and other allergens from the air. Of course, if you have a window open on a windy day and the pollen is blowing in, no negative ionizer will clear the air quickly enough to help anyone.

Ionized room air does not have to pass through a filter or be circulated by a fan to be cleaned. The negative ions generated by the ionizer emanate from the unit throughout the room and cause dust, pollen, mold spores, pet dander, etc. to clump together and drop out of the air. **In a filter-type purifier with a fan or blower, only the air that goes through the filter can be cleaned.** And even then, the tiniest particles still can flow through the filter. These tiny particulates can be better removed by ionization than filtering, even HEPA filters.

High levels of negative ions ...

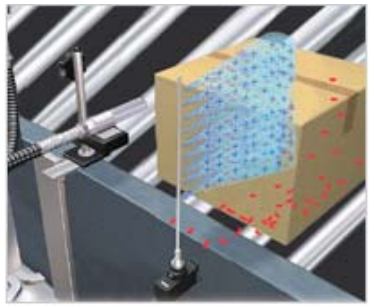
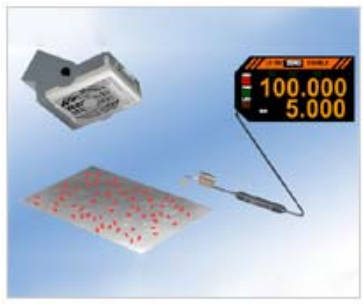
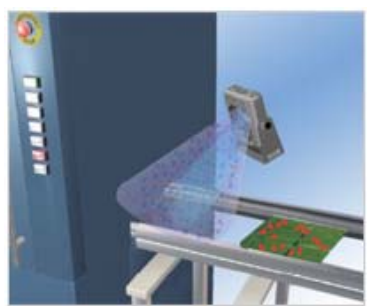
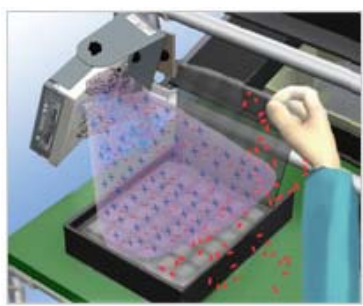
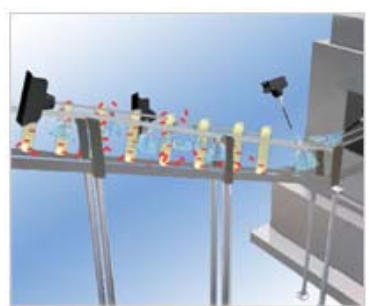

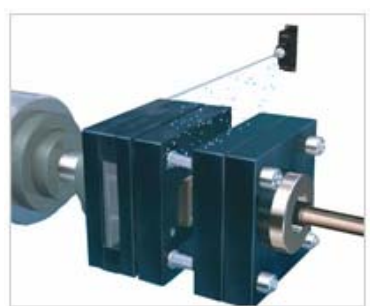
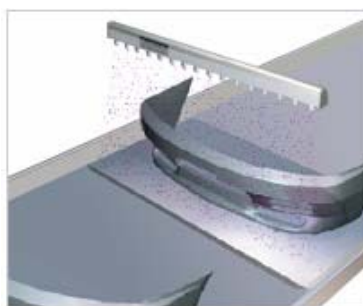
Are desirable. They're naturally found in places like the beach, in the mountains, in the country, in pine forests, near waterfalls, and many other places that people like to be -- all the places that we feel good after we visit them.

The evaporation of water can produce a moderate amount of negative air ions; the small positive charges are left behind in the water.



Application

For air ionizer, Negative ion generator, air conditioner and fans,
 Static charge control for ambient air, deodorizer, Suitable for air conditioner,
 Preventing static electricity, etc

	<p>Static charge from Cardboard Boxes just before printing</p>		<p>Smart static sensor to monitor static charges</p>
	<p>Preventing ESD damage and adhesive dust</p>		<p>Removes Electrostatic charges generated When removing films</p>
	<p>An Air-blow Ionizer Neutralizers Performs and Blows OFF Dust</p>		<p>Ionizer Parts in Parts Feeders</p>
	<p>Ionizer Injection Molding</p>		<p>Ionizers Bumpers</p>



	<p>Ionizes when Conveying DVDs</p>		<p>Ionizes Resin Parts</p>
	<p>Ionizes Packing Films</p>		<p>Ionizes Containers</p>
	<p>Ionizes PET Bottles on Conveyors</p>		<p>Ionizes Labels</p>
	<p>Ionizes Elements</p>		<p>Ionizes PCBs</p>
	<p>Ionizes Chip Components</p>		<p>A Fan Ionizer Prevents Adhesion of Dust</p>



Specifications

- Sources of electricity :
 - AC 220V $\pm 10\%$, 1 Φ 50Hz-60Hz
 - AC 110V $\pm 10\%$, 1 Φ 50Hz-60Hz
 - DC 12V
 - DC 24V
(It's customer option.)

- Power : 5W(Max)

- Output Voltage :
DC 6KV, 8KV, 10KV

- Output current : 50 μA

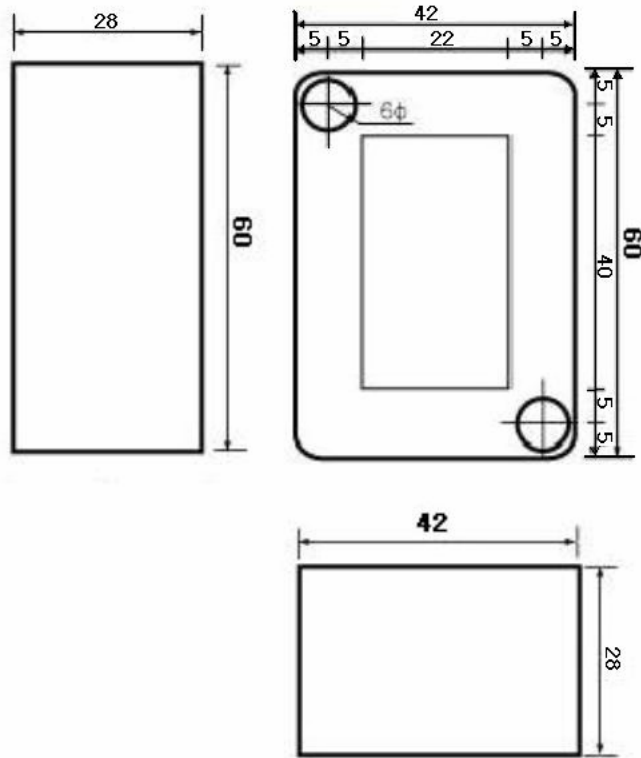
- Dimension : L60 x W40 x H28 (mm)
(Customer designs are accepted)

- The quantity of ion generation : more than 1,000million
(Ion quantity is measured 10m far from electrode.)

- Weight : 230g $\pm 10\%$



■ Outward drawing :



Unit / mm

Feature

- OUTPUT Voltage level can control by external resistor.
(Adjustable ion quantity)
- OUTPUT Voltage Width can control by SEJIN Control Board.
(it is customer option item)
- Customer designs are accepted
- OEM orders are welcome



Usage condition

■ Environment condition

: 0 ~ + 45°C, Less than 85%RH (It must not covered with dew)

■ Preservation condition

: -20 ~ + 50°C, Less than 85%RH (It must not covered with dew)



HIGH VOLTAGE POWER (IONIZER) LIMITED WARRANTY



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SEJIN company warrants its ionizer to be free from defects in workmanship or materials, under normal use and service, for a period of One Year from the date of purchase by the original owner. If at any time during the warranty period, the product is found to be defective or malfunctions, SEJIN company will repair or replace the defective part (at its option) and provide the shop labor to repair this ionizer. This warranty shall not apply if it is shown by SEJIN that the defect or malfunction was caused by neglect or abuse during operation by consumer.

The repaired or replaced part or unit will be shipped by SEJIN Company to the purchaser, freight prepaid. The warranty on any repaired or replacement part shall be for a duration of time no longer than the remaining or unexpired term of the original warranty.

This warranty does not cover any other charges incurred by the purchaser.

The sole responsibility of SEJIN shall be to repair the product within the terms stated above.

SEJIN SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY, EXPRESS OR IMPLIED, APPLICABLE TO THIS PRODUCT. Some states do not allow the exclusion or limitation of consequential damages, so this limitation may not apply to you. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, AND THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY EXCLUDED BEYOND THE ONE YEAR DURATION OF THIS WARRANTY.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which can vary from state to state.