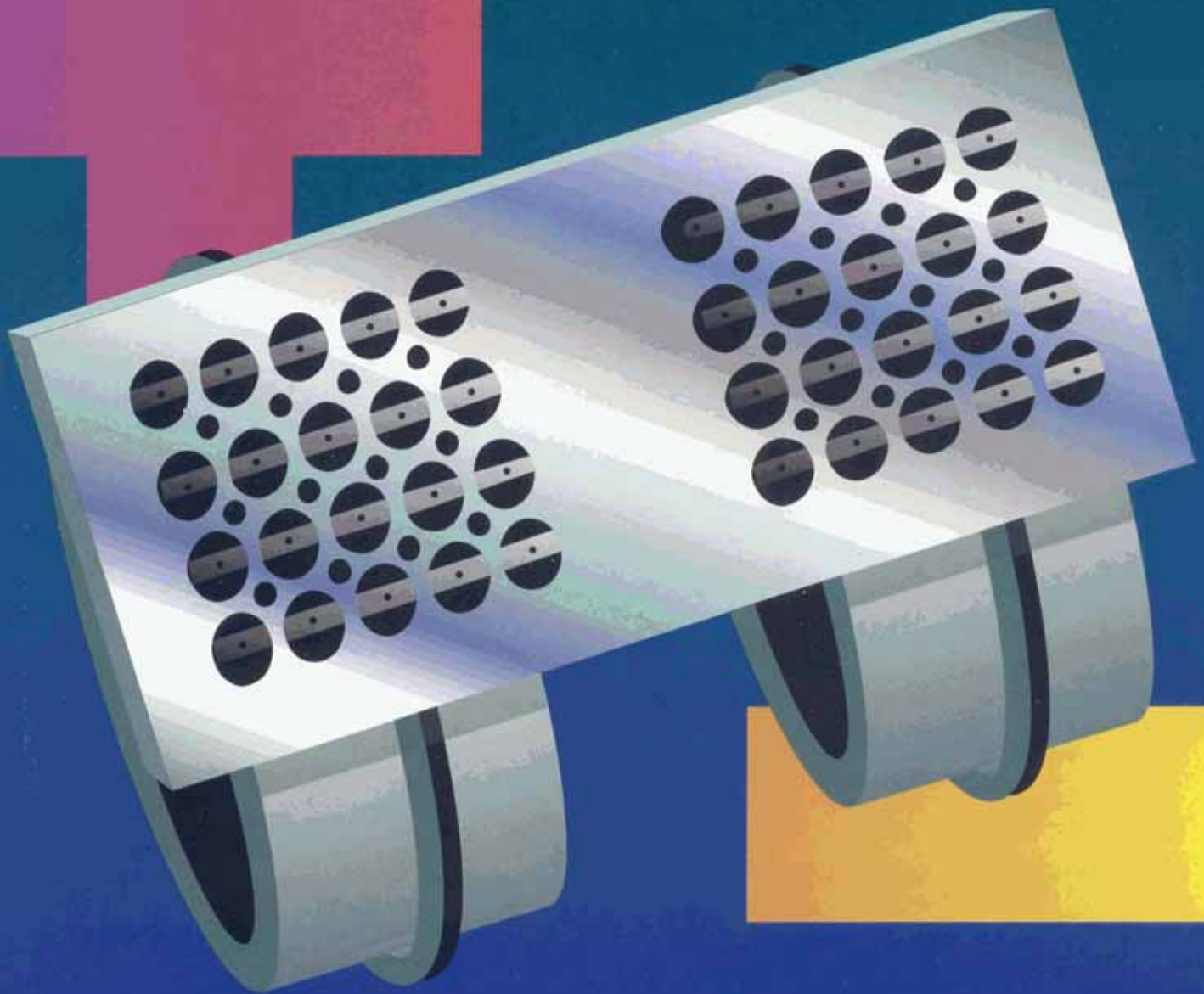


# *Electro Statics,*

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*Incorporated*



**MANUFACTURERS OF QUALITY STATIC CONTROL PRODUCTS**

352D Godshall Drive • Harleysville, PA 19438-2017 • Tel (215)513-0850 • Fax (215)513-0855 • Website [www.electrostatics.com](http://www.electrostatics.com)

# High Volume Ionizing Air Blowers

## Model 320

The Model 320 is designed for permanent production line installation where high volumes of ionized air are required. It contains twin centrifugal blowers which will provide 320 cubic feet per minute of ionized air. The unit is ruggedly designed to withstand continuous use over an extended period of time. Its method of mounting permits adjustments to insure a direct stream of ionized air into the area requiring neutralization.

Light-free version w/"light shield" is available for use with light sensitive films.



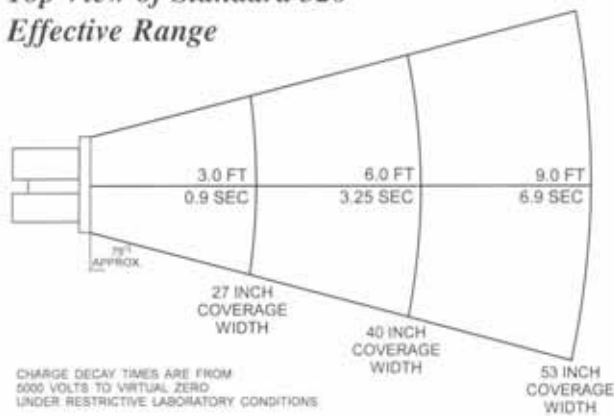
## Specifications

Power requirements	120 VAC, 50/60 Hz 1.3 Amp (Fan speed high) 1.0 Amp (Fan speed low)
Size:	13.50" W x 9" H x 9.50" D
Weight:	16 lbs.
Air volume output:	320 CFM
Power unit*	T1246SL 120 VAC 50/60 Hz

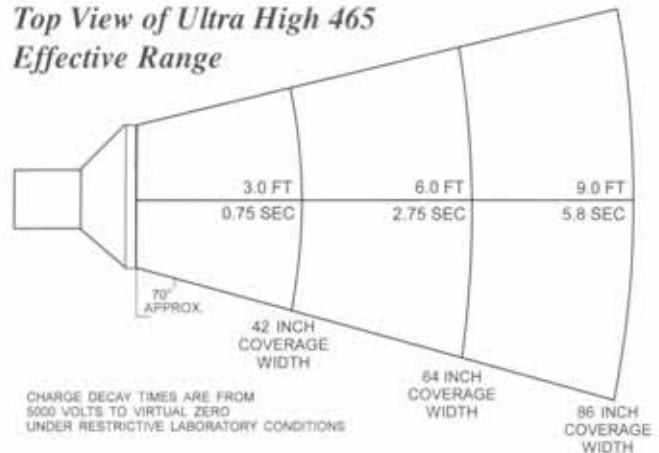
## Model 108

The Model 108 Blower is approximately one half the size of the Model 320 for smaller applications. Producing 108 CFM, the unit is ideal for a permanent mount over a narrow conveyor or a small molding operation.

### Top View of Standard 320 Effective Range



### Top View of Ultra High 465 Effective Range



## Model 465 Ultra High Ionizing Blower

The Model 465 Ultra High Ionizing Blower is designed for permanent production line installation where the ultimate in



ionization is required. Variable 0-465 CFM, the blower produces ionization in such copious amounts to neutralize the highest static charges. The higher air volume permits the unit to be placed further from the affected area, transporting the ions over a wider pattern.

## Specifications

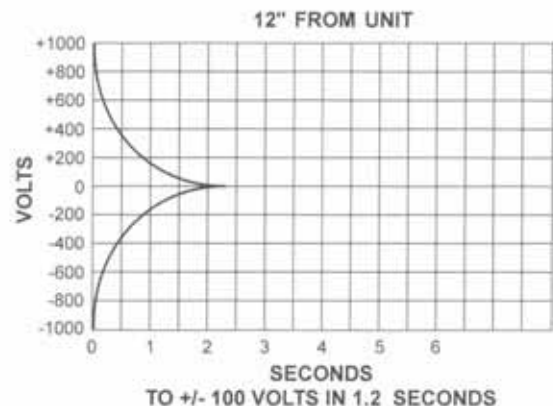
Power requirements	120 VAC, 50/60 Hz 3.0 Amps (Fan speed high) 2.25 Amps (Fan speed low)
Size:	2.375" W x 10.25" H x 14.50" D
Weight:	28 lbs
Air volume output:	0-465 CFM
Power unit	Self-contained

# For Static-Free Processing

## Model IT-7000 Table Top Ionizing Transport System

The Model IT-7000 Ion Transport System is a self contained, compact table top ionizer capable of producing copious amounts of both positive and negative ions. The two (2) speed fan permits a gentle flow of ionized air, reaching a distance of six (6) feet. A charged object, when passing through the ionization field, becomes neutral instantaneously. Inherently balanced, the Ion Transport System has a fail safe balance indicator to assure proper ionization output.

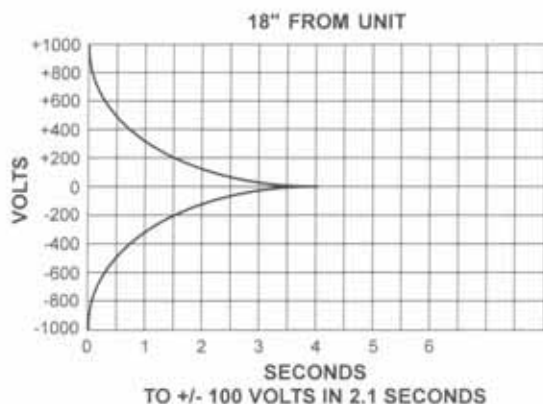
Conforming to the EOS/ESD Standard S3.1-1991, the Ion Transport System Model IT-7000 provides protection against an electrostatic charge which is known to damage sensitive electronic components.



### Specifications

<i>Power requirements</i>	120 VAC, 50/60 Hz 0.5 Amps (Fan speed high) 0.3 Amps (Fan speed low)
<i>Size:</i>	6.25" W x 7.25" H x 3.5" D
<i>Weight:</i>	6 lbs.
<i>Air volume output:</i>	65-105 CFM
<i>Power unit</i>	Self-contained

## Model HM-8000 High Mounted Ionization Transport System



The Model HM-8000 High Mount is designed to be suspended over the work station with the ionized air blowing down over the area to be protected against an ESD event. Valuable working space is saved since the Ion Transport System is mounted above the process. The High Mount is a self contained ionizer capable of producing copious amounts of both positive and negative ions.

Designed to cover a wide area, the ionizer will neutralize even the highest electrostatic charge. Normally the system is mounted 30"-36" above the area to be controlled, producing an ionization pattern of approximately 36" wide x 48" long.

A three (3) position air speed permits just the right amount of balanced ionized air to flow over the area to be protected, without disturbing the product or causing a draft.

Inherently balanced, the Ion Transport System has a fail safe balance indicator to assure proper ionization output.

Conforming to the EOS/ESD Standard S3.1-1991, the Model HM-8000 provides protection against an electrostatic charge which is known to damage sensitive electronic components.

### Specifications

<i>Power requirements</i>	120 VAC, 50/60 Hz 1.3 Amps (Fan speed high) 0.8 Amps (Fan speed low)
<i>Size:</i>	27.75" L x 6.75" W x 2.5" H
<i>Weight:</i>	13 lbs.
<i>Air volume output:</i>	175-315 CFM

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## Applications

### Models 320, 108, and 465

- Injection molding
- Paper and film unwinders
- Paper and film rewinders
- Slitters
- Stackers of printing presses
- Stackers of sheeters
- Stamping and punching operations

### Models IT-7000 and HM-8000

- Electronic assembly
- Pick and place
- Incoming inspection
- Reworking station
- Packaging
- Wave solder
- Disk drive
- Semiconductor mfg.

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## \*Power Unit

The Models 320 and 108 are designed to use our "T Series" power units. These rugged power units automatically provide optimum performance for operating two (2) ionizing air blowers. They never require adjustment and equipment can be added or removed without modifying the power unit.

All power units are UL listed and their square-wave



output generates a greater amount of ionization, because ionization voltage is reached faster and remains constant longer during the square wave cycle.

Size: 5.50" L x 4" W x 3.50" H

Weight: 5 lbs.

Input Voltage: 120V, 50/60 Hz

Specify other voltage or frequency if required.

Amperes: 0.3

Short Circuit Current: Max 5 MA

Style: Pilot light and switch

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## Problem Identification

Before any problem can be solved it must be identified. Is your problem related to static electricity? An in-depth analysis should be made with the necessary equipment and experience to afford a definite identification of the problem.

The first step in the control of static electricity is to identify and quantify the electrostatic charge. The



Model 9000 Digital Locator/Meter is the perfect tool for this purpose. The meter has a range up to 80 kv, with readings in both negative and positive polarity. This pocket size unit is lightweight and powered by one 9 volt battery. The 9000 Meter is your first step in static electricity control.

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## Limited Warranty

All equipment manufactured or sold by ElectroStatics, Inc. is guaranteed for one full year against defects in material, components, or manufacture. All defective products should be returned for repair or replacement. Obtain an RA# (Return Authorization) number for all returned equipment. Any modification or alteration in the field voids this warranty and the user will be responsible for the costs of replacement or repair. Damage to the product in the field is not covered by this warranty.

Seller's and manufacturer's obligation, under this warranty, shall be limited to the replacement or repair of defective products. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out

of the use or the inability to use the product. Before using, user shall determine the suitability for the products for the intended use and user assumes all risk and liability whatsoever in connection herewith.

**THIS WARRANTY IS IN LIEU OF ANY IMPLIED WARRANTIES ANY EXPRESS WARRANTY OTHER THAN THE WARRANTY STATED ABOVE.**

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed.

This warranty gives you specific legal rights, and you may also have other rights which vary.

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