

# Vermason

200150

## Mini Zero Volt Ioniser



200150 Mini Zero Volt Ioniser, Order Power Supply Separate

200150

# Mini Zero Volt Ioniser

## Description

The 200150 is an ultra-compact and lightweight dual steady state DC autobalancing benchtop ioniser. This unit is small enough to be installed into almost any area needing to be neutralized. It may also be wall or shelf mounted. The ioniser's neutralization time will be best approximately 30cm to 90cm directly in front of the unit and will increase as the distance from the unit increases.

“Various feedback and auto balance techniques are available to ensure ionizer performance...Providing a sensor for each ionizing device can improve feedback control. Effective control can reduce the amount of necessary maintenance.  
(EN 61340-5-2 clause 5.2.9.2 Monitoring and feedback control)



200150

# Mini Zero Volt Ioniser

## Benefits

The primary functions of ionisers are to:

- Neutralise process necessary insulators that can charge ESDS devices / assemblies via induction, thus creating potential CDM damage, and/or
- Neutralise ESDS devices / assemblies that are not grounded, and therefore are a floating conductor, thus creating potential CDM damage, and/or
- Neutralize insulators where particulate contamination can cause visual defects (EX – dust on plastic or glass lenses, attracted to / held in place by electrostatic attraction)



200150

# Mini Zero Volt Ioniser

## Features

- Ultra compact size - 5.25"H x 3.5"W x 1.7"D
- Low offset voltage with feedback alarms
- Two fan speeds, high and low
- Powered by 24 volts DC, AC adapter not included
- Rapid Access Maintenance
- Utilizes steady state DC ionization with Desco Emit's patented (US Patent #4,974,115) Sense Feedback Control
- Visual and audible power and alarm indicators
- 1 Year limited warranty



200150

# Mini Zero Volt Ioniser

## Operation

Set the fan speed switch on the side of the unit to the LOW or HIGH position. Higher airflow will result in faster neutralization rates. Position the unit so that the maximum airflow is directed at the items or area to be neutralized. The LED will turn on during power up and remain GREEN during normal operation.



200150

# Mini Zero Volt Ioniser

## Specifications

- **Air Flow:** Two speed fan, 500fpm - 300fpm, 34cfm at high fan speed
- **Balance:**  $\pm 5$  volts, typical;  $\pm 20$  volts maximum.  
(Temperature range: 65°F to 80°F, R.H.: 15% to 65%)
- **Chassis:** Stainless Steel Enclosure
- **Dimensions ( with stand ):** 13.3cm high x 8.9cm wide x 4.3cm deep
- **Emitter Points:** .050" diameter pure tungsten for improved mechanical strength and ionization stability.
- **High Voltage Power Supplies:** 5.5 KV DC nominal.
- **Input Power:** 24VDC, center positive, 2.5 x 5.5mm power jack
- **Ion Emission:** Steady state DC with sense feedback.
- **Mounting:** Tilt adjust frame with three holes that can accommodate up to a #10 screw.
- **Ozone:** Less than 0.05ppm
- **Weight:** 0.4536 kg

**Technical Bulletin TB-7526**

**200150**

# Mini Zero Volt Ioniser

## Accessories

- **200155** – Emitter Point Tip Cleaner, Pack of 20
- **200160** – Replacement Emitter Points, Pack of 8
- **200165** – Replacement Emitter Points, Pack of 100
- **200175** – Power Adapter, 3 Pin, 220 UK/Asia Specs
- **200170** – Power Adapter, 2 Pin, 220V, Euro Specs

200150

# Mini Zero Volt Ioniser

## EN 61340-5-2

“Ionizers should be considered as a method for charge neutralization in cases where grounding cannot be achieved. These may include localized (bench) ionized air blowers, compressed air ionizers, spot ionizers, tape dispenser ionizers and total room ionizers.” “Air ionization can neutralize the static charge on insulated and isolated objects by producing separate charges in the molecules of the gases of the surrounding air. When a static charge is present on objects in the work environment, it will be neutralized by attracting opposite polarity charges from the ionized air. Note that ionization systems should not be used as a primary means of charge control on conductors or people. As with all ionizers, periodic maintenance will be needed to provide optimum performance.”

(EN 61340-5-2 clause 5.2.9)