

# Vermason

200004/200045

Ion Python Air Nozzle and Hand Gun



**200004** Air Nozzle Controller, Hose, Foot Switch, 220V  
**200050** Ion Python Attachment  
**200055** Foot Switch For Ion Python



**200045** Hand Gun with Hose, Controller, 220V  
**200065** Nozzle/Hand Gun Attachment

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# Ion Python Air Nozzle and Hand Gun

## Description

The Vermason 200004 Ion Python Air Nozzle and 200045 Neutralising Hand Gun quickly and effectively neutralise bulk static charges and aid in controlling contamination by dislodging dust and debris attracted by static electricity. Attached to compressed air, the airflow may be easily adjusted from a gentle stream to a powerful blast. These units are designed for use in applications and areas where ElectroStatic Attraction contamination create manufacturing or handling problems. Meets EN 61340-5-1 tested per test method A.23



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## Description

The 200004 Ion Python Air Nozzle is designed for point-of-use fixed mounting applications, while the 200045 Ion Python Hand Gun is a more portable unit. The air hose of both units is designed to be easily disconnected or replaced by the user.



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# Ion Python Air Nozzle and Hand Gun

## 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)



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## Features

- Rugged construction for long life
- Balance adjustable  $\pm 20$  voltage offset offers flexibility in uses
- Replaceable air filter keeps air free of contaminants
- Stainless steel case is corrosion resistant
- Stationary hose can be activated with foot pedal
- Adjustable 30 PSI to 100 PSI air pressure adjustable to meet requirements of the application
- < 1 sec discharge time at 6"
- Detachable 7' ESD safe hose; ergonomically designed flexible hose with thumb-button
- Nitrogen compatible
- Made in America



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## Operation

Turn on unit with switch on the front panel. The green light indicates that the air nozzle is ready for use. Point nozzle at object to be cleaned or neutralised. When using the Ion Python, actuate foot pedal switch to initiate the flow of air and neutralising ions. Best results are normally obtained when holding the nozzle within .15cm to 45cm of the item being neutralised.

For the Neutralising Hand Gun, push button on the nozzle body to initiate the flow of air and neutralising ions. Best results are normally obtained when holding the nozzle within 61cm or 91cm of the item being neutralised; hold the nozzle closer when required.



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## Specifications

**Input Voltage:** 220 VAC, 50/60 Hz

**Amperage standby:** <50 milliamps

**Amperage in use:** <400 milliamps

**Fuse:** 2ea 1 amp, 5 x 20mm, fast acting

**Power Usage:** 2.5 watts on, 25 watts in use

**Power Cord:** Not included

**Python:** One-piece Delrin

**Air Gun:** Two-piece molded ABS

**Hose Length:** 200004 1.5 metres / 200045 2.1 metres

**Control Box:** 13cm H x 16cm W x 18cm L

**Weight:** 5 kilograms

**Air Usage:** 3.5 CFM @ 30 PSI

**Recommended PSI:** 30 PSI to 100 PSI

**Air fittings:** 6.35mm OD tubing with 3.2mm NPT with adjustable needle valve.

**Technical Bulletin TB-7530**

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# Ion Python Air Nozzle and Hand Gun

## Accessories

- **200050** – Ion Python Attachment
- **200055** – Foot Switch for Ion Python
- **200065** – Nozzle/Hand Gun Attachment for Ion Python
- **200070** – Replacement Filter 2 Pack for Ion Python

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# Ion Python Air Nozzle and Hand Gun

## 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)