

# Botron B48614SF Technical Data Sheet



## Overview:

The B48614SF ionizing Snake is the perfect solution for those who need pin point ionization of static sensitive components. While eliminating static charge, it also removes any charged particles or debris that can collect on components. The adjustable neck provides the freedom of use for operators as well as precision ionization.

## PERFORMANCE

Ion balance +/- 10v  
Positive decay times range from (sec) 0.5 at 3 kgf/cm<sup>2</sup> to 0.2 at 6 kgf/cm<sup>2</sup>  
Negative decay times range from (sec) 0.5 at 3 kgf/cm<sup>2</sup> to 0.2 at 6 kgf/cm<sup>2</sup>

\*All results are based according to EOS/ESD-STM 3.1-2000.

\*Results may vary based on test conditions.

## PROPERTIES

## SPECIFICATIONS

Power supply:	AC100 – 240V 50/60Hz
Output HV:	AC2200V
Air pressure range:	2 - 7 kgf/cm <sup>2</sup>
Air pressure range (filter):	1 - 7 kgf/cm <sup>2</sup>
Air input:	Compressed air or N <sub>2</sub> without oil and water
Ozone Density:	<.01ppm
Indicators:	Green LED, Red LED
Controls:	On/Off button
Emitter:	Alloy
Air line connector:	¼ NPT
Weight:	1 lb

## Product Notes and Features

- 1) Adjustable Neck
- 2) Alloy Discharge Needle
- 3) Green and Red LED Indicators
- 4) Foot Pedal



## APPLICATIONS

As with all of Botron's ionization units the ionizing snake is designed neutralize electrostatic charge in personal bench top environments, sensitive materials assembly, packaging, clean room and laboratories. The versatile adjustable neck of the ion snake makes this an exceptional unit for work stations where space is limited and for those tricky and tight areas only a precision ionizer gun or snake can provide.

## INSTALLATION

1. Remove contents from package.
2. Place the ionizer in desired position.
3. Install power cord securely.
4. Plug in foot switch.
5. Turn switch on.
6. Adjust air flow accordingly.

## MOUNTING

The compact design of the ion snake requires minimal room on the work surface. All ionizing snakes should be placed within the specified range for proper ionization of static sensitive components.

## TROUBLE SHOOTING

The abnormal HV alarm and the red light indicator will alarm if the following problems occur:

- Low output HV
- Short circuit
- Abnormal HV discharge
- Wet air flow
- Rapid turning on and off of photoelectric switch

Botron Company Inc. | 325 W. Melinda Ln Phoenix AZ 85027 | Ph# 623-582-6700 | Fax# 623-582-6776

**Disclaimer.** All statements of technical information are believed to be true and are based upon tests we believe to be reliable. The proper use and application for this product must be the responsibility of the user.

The statements herein shall have no force or effect.