

## NoZone<sup>®</sup> Ozone Scrubber, 115V USER GUIDE

CAT. #1090-20-1



**ORIGINAL INSTRUCTIONS**

**Model NT-70-EX**

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## Serial Number

The following serial number identifies the specific instrument you have purchased and must be referenced when requesting service. A copy is affixed to the instrument.

Technical Service: (408) 733-7337, [techserv@scigene.com](mailto:techserv@scigene.com)

## Warranty

SciGene warrants that the NoZone® Ozone Scrubber described in this manual shall be free of defects in materials and workmanship for a period of 12 months from invoice. This warranty does not cover removable parts or accessories. In the event of a defect during the warranty period, SciGene's limit of liability will be to provide repair service at its factory at no charge or, at its sole discretion, replace the product. The foregoing warranty is void in the event the unit was opened from either end, placed in a high VOC environment, operated in an environment exceeding humidity or temperature specifications, abused, modified or used in a manner inconsistent with its intended purpose. SciGene makes no other warranty, expressed or implied including warranties of merchantability and fitness for a particular purpose. In no event shall SciGene be liable for any direct, indirect, special, incidental or consequential damages or for any damages resulting from loss arising out of or in connection with the sale, use or performance of the product. Repairs should only be performed by personnel approved by SciGene.

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## Intended Use

This instrument is intended for use in protecting sensitive laboratory equipment from ozone.

This instrument should only be used according to the instructions provided in the user manual. If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

## I. INTRODUCTION

### A. Description

The NoZone Ozone Scrubber is designed to destroy ambient ozone levels at a flow rate of 70 SCFM. The unit provides an ozone-free “blanket” of air around sensitive equipment. It is recommended for use with a custom enclosure available from SciGene. Three models are available:

- NoZone WS Enclosure (SciGene cat. #1090-13-0)
- NoZone TL Enclosure (SciGene cat. #1090-11-0)
- NoZone GP Enclosure (SciGene cat. #1090-12-0)

### B. Theory of Operation

Ambient air containing ozone is sucked into the unit and destroyed with proprietary ozone destruct media. Internal fans propel the air through the unit while destroying ozone as it passes through the media. Ozone free air is expelled out the opposite side.

## II. Specifications

Description	Value
Chassis dimensions (LxWxH):	66cm x 12.7cm x 12.7cm
Weight:	2.6 kgs
Flow Rate:	70 CFM
Voltage:	115 VAC/60hz

## III. Installation

The unit can be placed in any orientation as long as the air intake is free from obstruction and there is not excessive pressure on the unit’s outlet. This unit is designed for indoor use and must not get wet due to the catalyst and water being completely incompatible. Water will destroy the catalyst! Refer to the “**Installing the NoZone® Ozone Scrubber**” document, provided separately.



**IMPORTANT:** *The NoZone Ozone Scrubber should not be run in areas where the humidity exceeds 90% or where high VOC levels are present. The user must prevent water from condensing on the unit. If in doubt about the VOC level, please contact SciGene. Use in a low dust environment.*

## IV. Startup

Plug the unit into a grounded 115V/60Hz source and push the unit’s main power switch to the **ON** position. Air will be pulled into the inlet & forced out of the outlet. The user should be able to feel air being forced from the unit.

Note: If the unit does not operate, check the main power fuse located on the top of the scrubber.

## V. Operation

The NoZone Ozone Scrubber is designed for continuous or intermittent use. The unit can be picked up and moved while operating. Ambient ozone levels 100 PPB or less will be reduced to less than 5 PPB at the outlet. Higher ambient ozone levels will result in elevated ozone levels from the outlet.

To test the ozone levels before and after the installation, a high accuracy low concentration monitor is recommended.

## VI. Environment

- Temperature: 0 – 120°F (-32 to 48.5°C)
- Humidity: 0-90% Relative Humidity (non-condensing)
- Dust & VOCs: None

## VII. Maintenance

Keep inlet free of obstruction by occasionally removing dust with a dry towel. No replacement of catalyst is needed. Due to the unit's sealed design and its non-replaceable parts, the user must contact SciGene if any failure or malfunction occurs. See Page 6.

## VIII. Service Parts

Only the fuse may be replaced by the customer by turning off and unplugging the unit, then gently twisting and removing the old fuse (see component #3 in the figure below). Replace with a new 2Amp, 250V fuse. The NoZone Ozone Scrubber is a sealed unit, thus servicing inside the unit is not to be completed by the customer. Please contact SciGene if any malfunction should occur.

## IX. Components



## X. Safety

Despite the inherent safe design of the interceptor, there are still some residual risks involved. Take the following precautions:

- **The unit is sealed and should not be opened.**
  - **There is high voltage running to the unit and you must not touch any exposed wires**
  - **There are moving parts inside of the interceptor and if any fan guards are taken off they must be replaced immediately prior to turning the machine on.**
- **If you need to check the fuse, make sure the unit is unplugged.**
- **This unit is intended for commercial and industrial use only.**

## XI. How to Contact SciGene

By mail:  
**SciGene**  
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**Sunnyvale, CA 94085**

By Telephone: **(408) 733-7337**  
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