



**NT-70**

Ozone **I**nterceptor

Owner's Manual



## Table of Contents

Introduction.....	3
Theory of Operation.....	3
Specifications.....	3
Installation.....	3
Startup.....	3
Operation.....	4
Environment.....	4
Maintenance.....	4
Service Parts.....	4
Warranty.....	4
Component Outline.....	5
How to Contact Ozone Solutions, Inc.....	6

**It is the responsibility of the operator to read and fully understand the contents of this manual. Any malfunction that could have been prevented by reading the manual will not be covered under warranty should repairs be needed.**

## **Introduction**

The Ozone Interceptor is designed to destroy ambient ozone levels at a flow rate of 70 SCFM. This can be accomplished with a once-pass setup or as a re-circulating setup to maintain a constant zero ozone environment. The Ozone Interceptor provides an ozone-free “blanket” of air around sensitive equipment.

Typical applications for the Ozone Interceptor include ozone removal in small rooms, laboratories with sensitive equipment, and many other situations where problematic ozone levels exist.

## **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.

## **Specifications**

Chassis dimensions: 5-in x 6-in x 21-in (WxHxL)

Weight: 10 lbs (4.5 kg)

Flow Rate: 70 CFM

Voltage: 115V/60Hz (230V/50Hz also available upon request)

Energy Consumption: 62 Watts

## **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. It is highly recommended to aim the outlet of the unit towards the area of the room or piece of equipment you wish to provide ozone-free air.

The unit may also be placed within a sealed case to provide ozone-free recirculation and achieve a zero ozone environment for sensitive equipment. This entails putting the unit completely inside of an enclosed space so no new air, and/or ozone, enters the space.

This unit is designed for indoor use and must not get wet due to the catalyst & water being completely incompatible. Water will destroy the catalyst!

**IMPORTANT:** The Ozone Interceptor 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 VOCs level, please contact Ozone Solutions. Absolutely no dust should be in the environment as this will eventually cover the ozone destruct media and render it useless.

## **Startup**

Plug the unit into a grounded 115V/60Hz AC (or 230V/50Hz if appropriate) 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 Interceptor.

## **Operation**

The Ozone Interceptor 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 of the Ozone Interceptor, Ozone Solutions recommends a high accuracy low concentration monitor. To inquire about a monitor please contact Ozone Solutions at 712-439-6880 or [www.ozonesolutions.com](http://www.ozonesolutions.com)

## **Environment**

- Temperature: 0 - 120 deg F (-32 – 48.5 deg C)
- Humidity: 0-90% R.H. (non-condensing)
- Dust & VOCs: None

## **Maintenance**

Due to the Interceptor's sealed design and its non-replaceable parts, the user must contact Ozone Solutions, Inc. if any failure or malfunction takes place. Contact information is provided on Page 6.

## **Service Parts**

The Ozone Interceptor is a sealed unit, and servicing is not to be completed by the customer. Please contact Ozone Solutions, Inc. if any malfunction should occur.

## **Warranty**

The Interceptor is warranted for one year for components and workmanship. The warranty date is based on the date of your invoice.

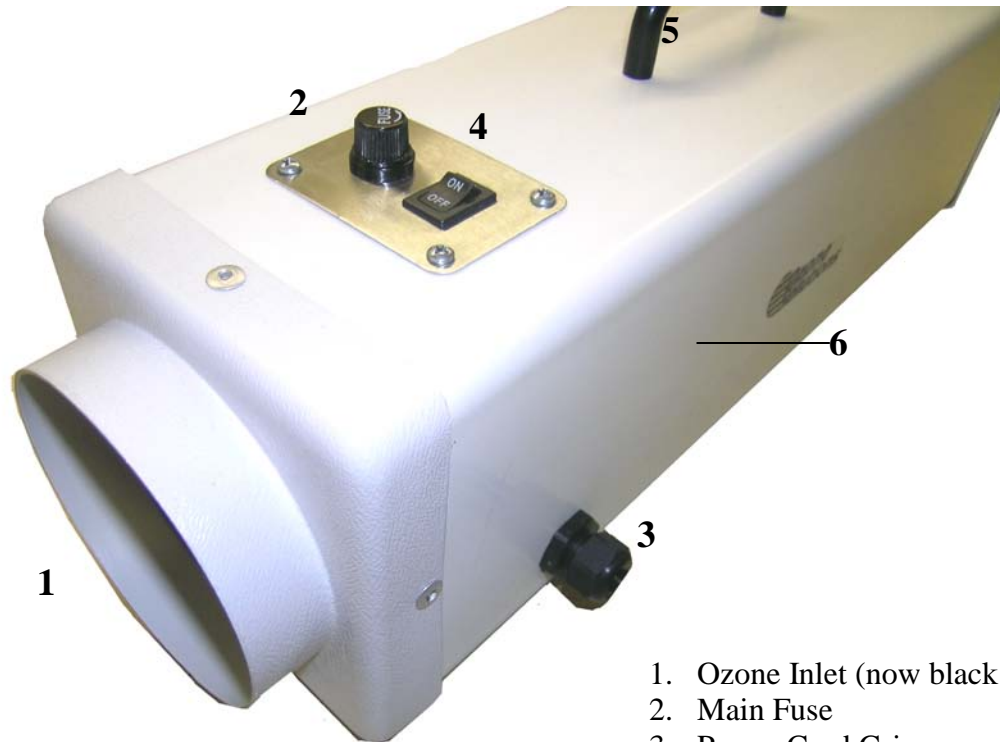
The manufacturer is not responsible for any damage or injury caused by improper installation or operation of this product.

*Warranty will be void if:*

- the unit is opened from either end
- the unit is placed in a high VOC environment
- water enters the unit
- unit is operated in a humidity or temperature exceeding specifications

Repairs should only be done by personnel approved by Ozone Solutions.

## Component Outline



(Unit now has black end caps)

1. Ozone Inlet (now black color)
2. Main Fuse
3. Power Cord Gripper
4. Main Power Switch
5. Carrying Handle
6. Impact Resistant Case

## **How to Contact Ozone Solutions, Inc.**

By mail:

**Ozone Solutions, Inc.**

451 Black Forest Road

Hull, IA 51239

By Telephone: (712) 439-6880

By Fax: (712) 439-6733

By e-mail: [info@ozonesolutions.com](mailto:info@ozonesolutions.com)

Website: [www.ozonesolutions.com](http://www.ozonesolutions.com)