

NT Series

High Flow Ozone Interceptors

Model: NT-40 & NT-70

Installation & Operations Manual



The element of success.

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www.ozonesolutions.com

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IMPORTANT SAFETY INSTRUCTIONS READ AND FOLLOW ALL INSTRUCTIONS.

Read this manual completely before attempting installation.

SAVE THESE INSTRUCTIONS!



SECTION 1

Safety Precautions

Ozone is a powerful oxidizing agent. Observe strict operating procedures while using ozone equipment. **It is imperative that only ozone compatible materials are used in conjunction with the ozone system.**

Note: If the operator has asthma, he or she must not enter an airspace that has a significant ozone concentration. Ozone can induce an asthma attack.

Carefully review and familiarize yourself with the following important safety information concerning ozone gas:

1. Ozone is an extremely aggressive and powerful oxidizer. The Occupational Safety and Health Administration (OSHA) 8-hour exposure limit is 0.10-PPM. The OSHA 15-minute exposure limit for ozone is 0.3 PPM. Above 0.3 PPM, there is the risk of damage to respiratory tissues.
2. People who have no sense of smell should not operate this equipment.
3. Never attempt to verify ozone production by directly breathing or smelling ozone.

Introduction

The Ozone Interceptor is designed to destroy ambient ozone levels at a flowrate of 40-70SCFH. This can be accomplished with a once-pass setup or as a recirculating 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.

SECTION 2

Specifications

NT Series	Flow Rate (SCFH)	Power (watts)	Temperature Range (Fahrenheit)	OD Spout (Inch)	Dimensions (LxWxH)	Weight (lbs)
NT-40	40	45	-30 to 140	4"	14"x16"x19"	10
NT-70	70	45	-30 to 140	4"	14"x16"x19"	10

Installation Guidelines

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. Another method is to have the inlet positioned to take in ozone from the source.

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 VOC level, please contact Ozone Solutions. Air that is pulled through the unit should be properly filtered, as to not shorten the life of the destruct media.

Start Up

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.

SECTION 3

Operation Guidelines

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.

Maintenance and Service Parts

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.

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 3 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, so contact us with any problems.
- * 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.

Contact Information

Ozone Solutions, Inc.
451 Black Forest Road
Hull, IA 51239 USA

Phone: (712) 439-6880

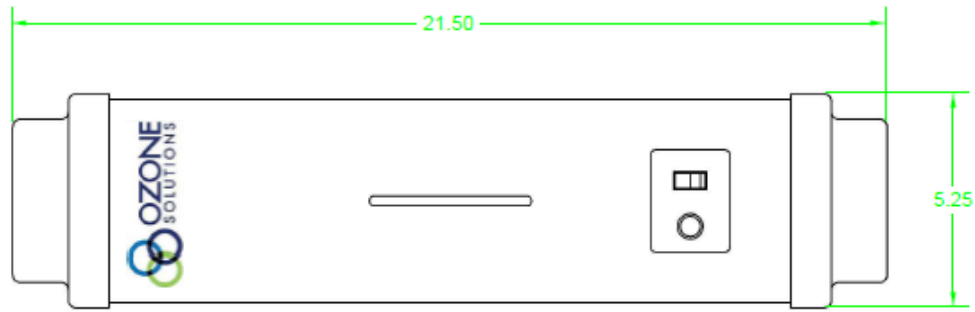
Fax: (712) 439-6733

Email: sales@ozonesolutions.com

Website: www.ozonesolutions.com

SECTION 4

Appendix A - NT-40 & NT-70



TOP VIEW



FRONT VIEW

RIGHT-SIDE VIEW

SCALE: 3" = 1'-0"
ORIG DRAWN: 04/12/16
CHECKED: DAK
APPROVED: DAK



DRAWING NO: NT-40, NT-70		
TITLE: NT-40, NT-70		
SIZE: A	SHEET: 1 OF 1	REV: A



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