



ODS-H SERIES OZONE DESTRUCT UNIT

INSTRUCTION MANUAL

INTRODUCTION: The ODS-H series Ozone Destruct Unit utilizes a thermal-catalytic method to remove excess ozone. The catalyst is a transition metal manganese dioxide copper oxide material. It is not consumed by the ozone and acts as a true catalyst.

INSTALLATION: Connect ozone compatible tubing, or equivalent, to the inlet (bottom fitting) on the unit. The outlet (on the side of the unit) may be vented to atmosphere, or may be piped outdoors if desired. *It is recommended to pipe the output of the unit outside the facility in case of destruct media failure.* Plug in the electrical cord to provide power to the unit.

OPERATION: Turn the switch to ON position. The heater band will begin to heat the top of the unit.

IMPORTANT: *The heater band must be turned on 30 minutes prior to flow through the unit to allow adequate time for warm-up. Be careful not to touch to top of the destruct unit as this may get very warm.*

Be sure that the ozone flow rate does not exceed the specifications for the unit. If the flow rate is too high, the unit will not be effective. The ODS unit is designed to have less than 0.10 ppm ozone concentration at its exit.

The heater band is incorporated onto the unit to prevent moisture from condensing on the destruct media. In the event that the media becomes wet, such as when process water accidentally flows into the unit, the media must be replaced.

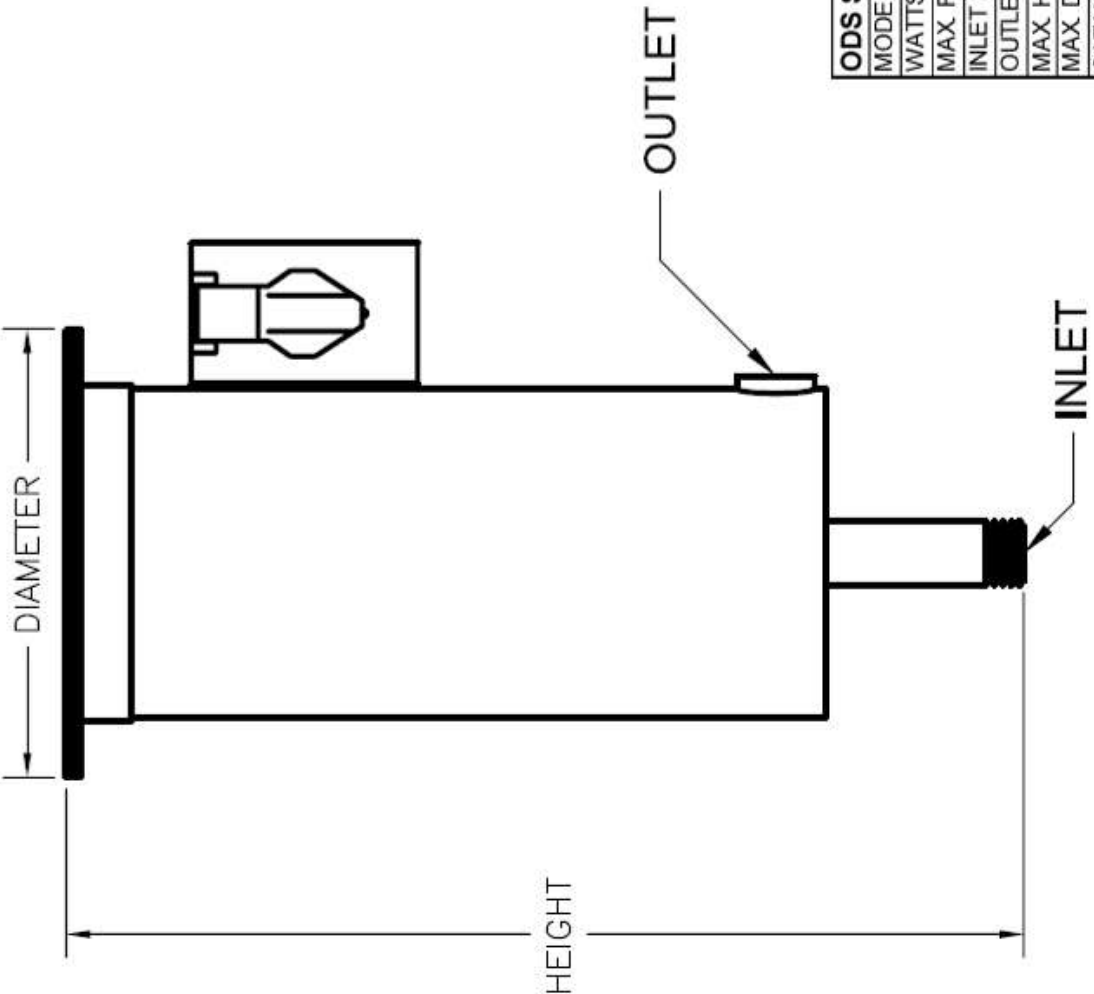
MAINTENANCE: The destruct media may become fouled or contaminated over time, and will need replacement periodically depending upon usage and conditions. Replacement destruct media can be obtained from Ozone Solutions.

To replace the destruct media:

- Remove the cover from the top of the unit and completely empty the unit by sucking the media out with a vacuum, or by tipping the unit upside down.
- Clean the inside if necessary. Any build-up due to moisture should be removed. If detergents or solvents are used, rinse the unit thoroughly with water and dry it completely before refilling.
- Dump the new media into the unit. With a wood mallet or similar object, tap the side of the unit while filling it so that the media "settles" towards the bottom.
- Ensure that the gasket for the top cover is in good condition. Clean the mating surfaces and re-install the cover. Do not use sealants, if the gasket cannot be re-used then it should be replaced.

All technical questions or concerns should be directed to:

Ozone Solutions
451 Black Forest Road
Hull, IA 51239
Phone: (712) 439-6880 e-mail: tech@ozonesolutions.com



ODS SPECIFICATIONS					
MODEL	3H	10H	30H	100H	
WATTS	24	36	96	192	
MAX FLOW (SCFM)	3	10	30	100	
INLET MALE NPT	3/4"	1"	2"	3"	
OUTLET FEMALE NPT	3/4"	1"	2"	3"	
MAX HEIGHT	13"	19 1/2"	22 1/2"	26"	
MAX DIAMETER	6 1/2"	9"	11 1/8"	16"	
CATALYST WEIGHT (LBS)	4	12	35	77	

Ozone Solutions

SIZE **A** DWG NO. **DESTRUCT UNIT** REV

SCALE TIME SHEET OF

DRAWN **BJK** DATE **11/2/09**

CHECKED DATE

APPROVED DATE

THIRD ANGLE PROJECTION

MATERIAL **SS**

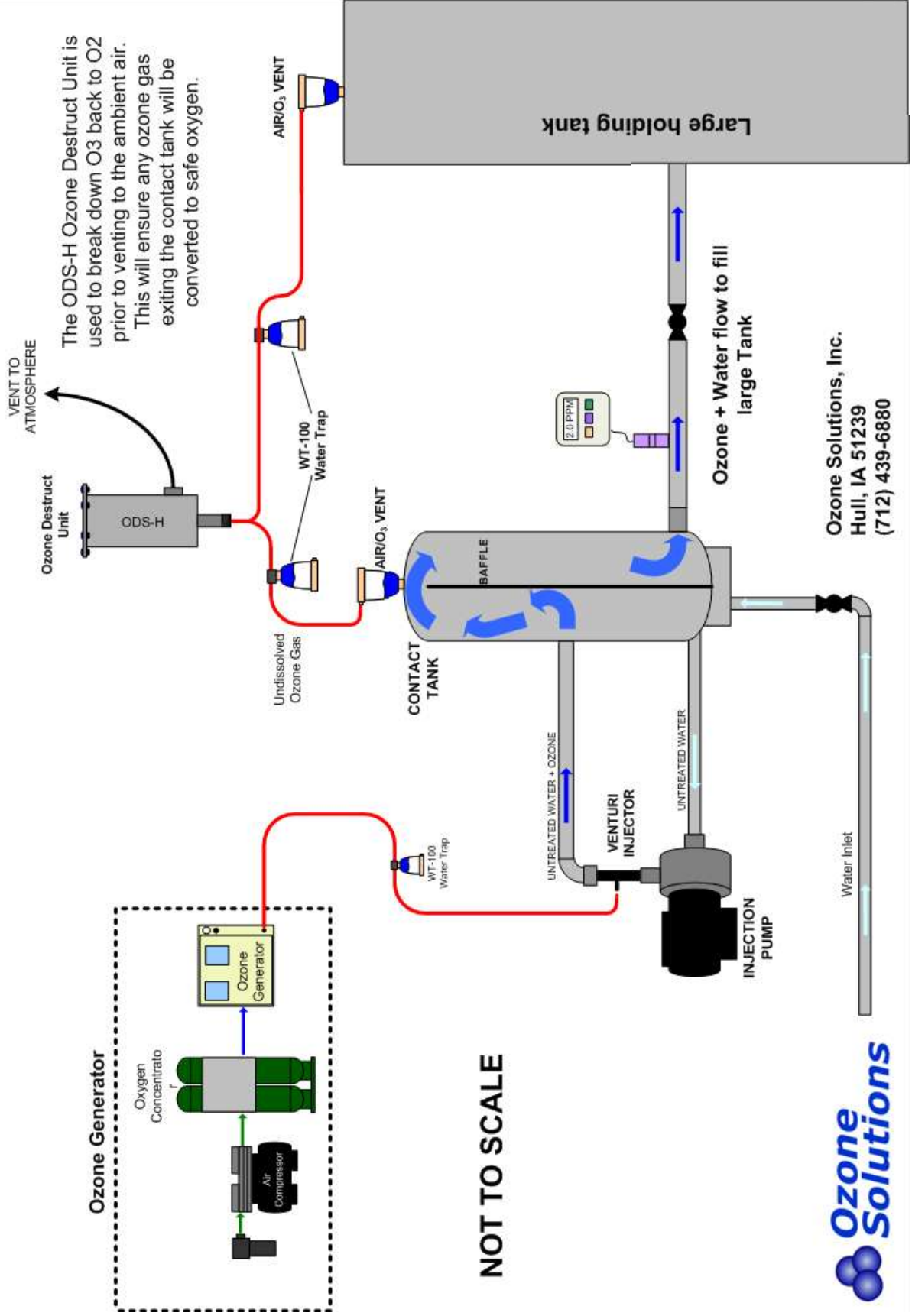
UOS ALL RADII **RXX**

UOS SURFACE FINISH **XXX XXX**

BREAK ALL EDGES .01 x 45°

REV	DESCRIPTION	DATE	APVD
REVISIONS			
UOS DIMENSIONS ARE IN INCHES			
DIMENSIONS CONFORM TO ASME Y14.5M-1994			
GENERAL TOLERANCES			
.XX ± .03	.XXX ± .005	ANGULAR ±1°	

Ozone System Diagram



The ODS-H Ozone Destruct Unit is used to break down O₃ back to O₂ prior to venting to the ambient air. This will ensure any ozone gas exiting the contact tank will be converted to safe oxygen.

NOT TO SCALE



Ozone Solutions, Inc.
Hull, IA 51239
(712) 439-6880

OZONE SOLUTIONS LIMITED WARRANTY

Ozone Solutions warrants all equipment assembled, manufactured, and sold to be free from defects in material and workmanship under normal use and service for a period of one (1) year after date of sale to the original purchaser.

Some products may have a specific warranty period other than what is outlined in this document. For such products, the manufacturer warranty will supersede this warranty. Ozone Solutions will honor the manufacturer's warranty, but if and when advised by the manufacturer, may have the customer deal directly with the manufacture.

This warranty covers all parts that are not outlined in a product maintenance schedule. This warranty will be void if any piece of the equipment is used in a manner other than what is explicitly outlined in the product manuals.

If any part of the equipment manufactured by Ozone Solutions proves to be defective during the warranty period, please contact Ozone Solutions at 1-888-892-0303, or tech@ozonesolutions.com. Prior authorization is required before working on or shipping a product back to us. Failure to get prior authorization may result in denial of your claim. Once authorized, you may return the defective equipment to Ozone Solutions with the transportation charges prepaid. If Ozone Solutions finds the equipment to be defective, it will be repaired or replaced at our discretion, free of charge, to the original purchaser (F.O.B. factory). This warranty shall not place any liability on Ozone Solutions for any transportation charges, labor, or cost for, or during the replacement of any parts. The replaced part(s) or product will then continue the original warranty duration. The replaced parts will not start a new one (1) year coverage period.

The purchaser by acceptance of the equipment will assume all liability for the consequences of its use or misuse by the purchaser, employees, or others. This warranty shall not apply to any piece of equipment, or part thereof sold by this company which has been subject to any accident caused in transit, alterations by unauthorized service, negligence, abuse, or damage by flood, fire, or act of God.

This warranty shall constitute the entire warranty and/or agreement between Ozone Solutions and the original purchaser, and in lieu of all other warranties, expressed or implied, either oral or written, including the warranty of merchantability and fitness for a particular use and of all other obligations or liabilities on our part. Ozone Solutions neither assumes nor authorizes any other person or entity to assume for us any liability associated with the sale of its products or equipment.

The term "original purchaser," as used in this warranty, means whom the product was originally sold to by Ozone Solutions or by an authorized dealer.

Ozone Solutions reserves the right to make changes in its products without notice. Because of this, Ozone Solutions is not obligated to replace warranty defective part(s) and/or product with the same original part or product.

OZSL Warranty-v8