

# ODS-1, ODS-2 & ODS-3 OZONE DESTRUCT MANUAL

## ODS Series Dimensions & Specifications

Model Number	Max Flow Rate In CFM	Max Flow In SCFH	Max Flow In LPM	Inlet/Outlet (NFPT)	Diameter (Inches)	Height (Inches)	Desiccant Wt. (lbs)
ODS-1	0.5	30	14.15	1/4"	2	7.5	0.56
ODS-2	1	60	28.31	3/8"	2.5	10	0.75
ODS-3	3	180	84.95	3/4"	4	15	2.5

The ODS 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.

Either end will function as the inlet, or outlet. The exit of the ODS can be left open to atmosphere or piped to an outside area, away from personnel. The ODS is designed to have a maximum of 0.01 ppm ozone concentration at its exit when operated at its rated flow or below. Be sure that the ozone flow rate does not exceed the specifications for the unit. If the flow rate is too high, complete ozone destruction will not take place.

In the event that the catalyst becomes wet, such as when process water accidentally flows into the unit or water vapor condenses on the catalyst, the catalyst should be replaced. Any of the ODS series can be temporarily recharged by placing the product vertically in an oven or similar for 3 hours at 350 degrees F. The ozone destruction efficiency might be reduced due to the possible contamination of the moisture and/ or water.

In the event the desiccant inside of the ozone destruct unit requires replacement, new desiccant can be purchased from Ozone Solutions. By removing the fitting(s) from one end of the product, the old desiccant can then be poured out, and replaced with new media. Be sure to reseal the removed fitting(s) with Teflon tape with Teflon paste on top of the Teflon tape to prevent any ozone from escaping by the threads when in use.

All technical questions and repairs should be directed to:

Ozone Solutions, Inc.  
451 Black Forest Road  
Hull, IA 51239 USA  
Ph: (712) 439-6880  
Fax: (712) 439-6733  
Website: [www.ozonesolutions.com](http://www.ozonesolutions.com)  
e-mail: [service@ozonesolutions.com](mailto:service@ozonesolutions.com)

## **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 (712) 439-6880, or email [service@ozonesolutions.com](mailto:service@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