

## AD-500 Air Dryer Manual



### **Installation:**

Attaching to either end of the AD-500 shell is fine, but assembling your down-stream components to the 1/4 inch barb fitting on the threaded end will allow for easier removal of the internal desiccant media when you need to dry it. A maximum distance of 6-ft between the AD-500 & the ozone generator is recommended.

**NOTE – Remove and retain the red cap when you want to have air pass through the products. Between uses, re-apply the cap to keep the moisture from being pulled into the media.**

### **Regeneration:**

The AD-500 contains air drying desiccant that requires regeneration when needed. Your product might be filled with the white, or pink media. The frequency of regeneration is dependent upon the moisture content of the air passing through the products, but the pink media will darken into a green color informing you to dry out the media. The white media does not turn color.

Higher moisture content passing through the products will result in the need for additional regeneration tasks.

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To regenerate the catalyst you must:

- Remove the threaded cap of the AD-500, and pour out the media onto a suitable tray capable of being placed into an oven or microwave.
- Oven: Bake the desiccant at 350-deg for 1 hour.
- Microwave: Use a low power setting and dry the media until it returns to the original pink color. (Again, the white media does not turn color)

Once the desiccant media is removed from the oven or microwave, return the media to the AD-500 shell, and depending on your needs, you should do one of the following;

### **Storing the AD-500 between uses;**

Re-apply the red cap (supplied with the AD-500) onto the open barb fitting to keep moisture from entering the media.

### **Returning the AD-500 kit into service;**

If you plan to resume moving air through the AD-500 kit, then do not re-apply the red cap.

### **Replacement desiccant media;**

At some point, the desiccant might need to be replaced, because of dirt particles which plug the pores of the media itself. The media can be re-heated 4-6 times but should then be replaced with new desiccant media.

The AD-500 shell will hold less than 1 lbs. of our part number “Desiccant”

The replacement desiccant can be purchased through Ozone Solutions, Inc.

You can do a search for “Desiccant” on our web page.

**Replacement components:**

The “AD-500 shell” (empty) is available.

The “AD-500” filled with desiccant is also available.

The “MI-1” moisture indicator is also available

**NOTE: The warranty for this product is one year, but excludes the normal maintenance of drying or replacing the media.**

The warranty for all the other components of the AD-500 are listed below in our Limited Warranty policy.

## **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](mailto: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.