

ODS-2 & ODS-3 OZONE DESTRUCT UNIT MANUAL

ODS Series Dimensions & Specifications

| Model Number | Maximum Flow (SCFH) | Inlet/Outlet (NFPT) | Diameter (Inches) | Height (Inches) | Desiccant Wt. (lbs) |
|--------------|---------------------|---------------------|-------------------|-----------------|---------------------|
| ODS-2 | 30 | 3/8" | 2.5 | 10 | 0.75 |
| ODS-3 | 180 | 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. The ODS-2 & ODS-3 can be temporarily recharged by baking the unit in a vertical position at 350-deg F for 3 hours, but its ozone destruction efficiency will be reduced to the extent of water contamination. The entire unit can be placed inside a conventional oven.

In the event the desiccant inside of the ozone destruct unit requires replacement new desiccant can be purchased from Ozone Solutions. The caps must be removed from at least one end of the unit. The old desiccant can be poured out of one side. At this time new desiccant can be inserted. Be sure to reseal both end caps with Teflon paste to prevent any ozone from escaping by the threads when in use.

All technical questions and repairs should be directed to:

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