ABSOLUTE OZONE®

AOD OZONE DESTRUCTOR

The AOD series - Ozone Destructors units utilizes a thermal-catalytic method to safe catalize ozone to oxygen reliable with no consumables. All the models uses Carulite 200 as destruct media. It is a hopcalite-type using mandanese dioxide and copper oxide. Carulite is not consumed by the ozone and is a safe material that is not considered hazardous waste.

SPECIFICATIONS

Model	Dry Gas Rating (lpm)	Wet Gas Rating (lpm)	Inlet/Outlet (inch)	Catalyst	Opertational Temp (F)
AOD1500D	15	-	F1/2”	Carulite 200	0-125
AOD2001D	60	30	F1/2”	Carulite 200	0-125
AOD2002D	250	n/a	F1/2”	Carulite 200	0-125
AOD2003D	600	300	F1”	Carulite 200	0-125

Dry air is considered a part of an ozone process where ozone gas is produced from oxygen, and it is not disolved in water.

Wet air is considered an off-gas from ozone water systems or ozone processes containing water.

For high humidity levels, an optional heating element can be used. If you have questions about your specific application, please contact us.

HOW IT WORKS

Using an ozone destroyer, ozone off-gas is converted into oxygen rapidly and without emitting any toxic gases, such as carbon monoxide or carbon dioxide.

The AOD 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 ozone destruction efficiency might be reduced due to the possible contamination of the moisture and/ or water.

REPLACEABLE CATALYST

The catalyst material used in the AOD Ozone Destruct Device is completely replaceable. While the catalyst is expcted to have a life of many years in dry gas applications and at least 1 year in wet gas applications it will become contaminated with impurities in the air and loose effectiveness over time. Replacing the catalyst material is very simple. The top cap is easily removable with a screen and gasket in place. Old catalyst can be poured out of the top, and replaced. Complete maintenance should take no longer than 30 minutes.

A complete catalyst replacement kit is available that includes the required catalyst material, replacement screens, and a new gasket.

INSTALLATION

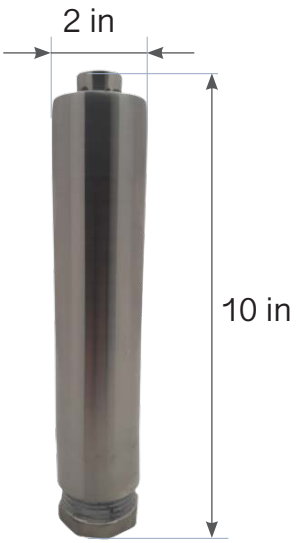
- The AOD Destruct Unit must be mounted VERTICALLY from end to end. This ensures that the ozone gas being forced through the destruct unit will have to make its way through all of the internal catalyst media.
- The exit of the destructor can be left open to an indoor atmosphere or can be piped to an outside area, away from personnel.
- The AOD destruct unit will create heat during the ozone destruction process. Ensure proper piping is used at the exhaust of the AOD destructor device (steel piping is best). Also ensure mounting brackets are used to dissipate heat from materials.
- A water trap can be added as an option to remove bulk moisture. This is recommended for off-gas situations where a common air vent is used for off-gassing. Large quantities of water can be safely drained with the water trap and extend the life the catalyst material in destructor units.

AOD1500D

inlet/outlet
1/4” Female
NPT

AOD2001D

inlet/outlet
1/2” Female
NPT



AOD2002D

inlet/outlet
1/2” Female
NPT

AOD2003D

inlet/outlet
1” Female
NPT

GET IN TOUCH

Our assistance to our clients for over the past two decades not only provided them with most reliable and effective working ozone systems, but provided tremendous saving on operating expenses to them, as Absolute Ozone generators do not require any service repairs or maintenance first 20 years of use, when installed and used correctly.

CALL US TODAY AND LET’S DISCUSS YOUR UPCOMING OR CURRENT PROJECT

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