

# CATALYTIC OZONE DESTRUCT UNIT

## INSTALLATION & OPERATION INSTRUCTIONS

The catalytic destruct unit is designed to destroy the excess ozone vented from a degassing process. Off gas is passing through a pre-heated catalyst ( $MnO_2$ ) bed which converts ozone back to oxygen. The unit is constructed of 304 stainless steel. The top cap of the unit is removable for access to the catalyst bed. The 50 W cartridge heater is thermostatically controlled to 150°F.

Refer to Figure 1 for items below:

### INSTALLATION

1. Mount the ozone destruct unit vertically, using the 2 mounting holes.
2. Supply 230 VAC to heater.
3. Connect off gas from the tower/contact tank to the inlet.
4. Connect the drain to a continuously sloping line that offers no back pressure.
5. Vent outside building away from possible human contact or HVAC intakes.
6. Check all connections for leaks.

### OPERATION

1. The catalyst bed used must be kept dry. Small water amounts will be drained automatically by the dump valve. Large volume of water may overflow the valve and destroy catalyst.
2. Periodically check catalyst to ensure bed is filled and dry.

**NOTE:** The catalyst bed used in the ozone destruct unit must be kept dry at all times. Be sure that the off gas vent valve is properly adjusted to not allow water into ozone destruct unit.

PN: 4-0123-02 Rev.A

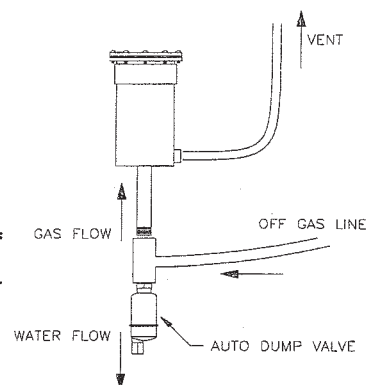


Figure 1

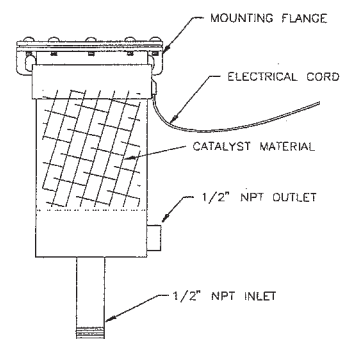


Figure 2

# CATALYTIC OZONE DESTRUCT UNIT

## INSTALLATION & OPERATION INSTRUCTIONS

The catalytic destruct unit is designed to destroy the excess ozone vented from a degassing process. Off gas is passing through a pre-heated catalyst ( $MnO_2$ ) bed which converts ozone back to oxygen. The unit is constructed of 304 stainless steel. The top cap of the unit is removable for access to the catalyst bed. The 50 W cartridge heater is thermostatically controlled to 150°F.

Refer to Figure 1 for items below:

### INSTALLATION

1. Mount the ozone destruct unit vertically, using the 2 mounting holes.
2. Supply 230 VAC to heater.
3. Connect off gas from the tower/contact tank to the inlet.
4. Connect the drain to a continuously sloping line that offers no back pressure.
5. Vent outside building away from possible human contact or HVAC intakes.
6. Check all connections for leaks.

### OPERATION

1. The catalyst bed used must be kept dry. Small water amounts will be drained automatically by the dump valve. Large volume of water may overflow the valve and destroy catalyst.
2. Periodically check catalyst to ensure bed is filled and dry.

**NOTE:** The catalyst bed used in the ozone destruct unit must be kept dry at all times. Be sure that the off gas vent valve is properly adjusted to not allow water into ozone destruct unit.

PN: 4-0123 -02 Rev.A

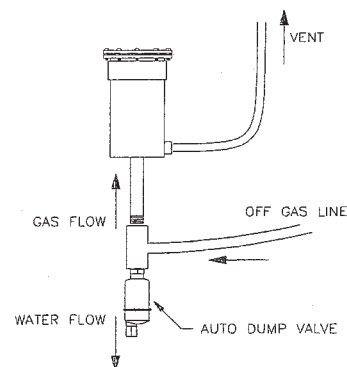


Figure 1

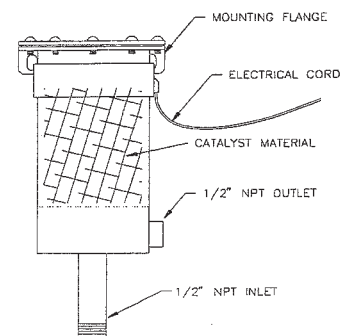


Figure 2