



OZONE DESTRUCT

Revert ozone gas to oxygen

Purfresh's ozone destruct OD-900 series is a catalytic converter that causes ozone gas to revert back to oxygen. The OD-900 is manufactured in stainless steel. It is designed to handle up to 30 cubic feet per minute of air and ozone at an ozone concentration up to 10%. A heater in the destruct raises the temperature of the gas stream to prevent condensation within the catalyst. The reaction time is only one-fifth the reaction time needed for thermal destruction and power requirements are minimal.

DESCRIPTION

Gas enters the bottom of the destruct unit, passes through a mist separator, past the heating element and then through the catalyst. The catalyst is held in place by mesh screens at the top and bottom.

The inlet and outlet fittings are triclamp or FNPT. The unit is mounted vertically to a wall, using standard unistrut hardware, and requires a minimum of 1" clearance.

The destruct may also be mounted directly on top of a tank.

The destruct includes a 110/220VAC heater and an electrical junction box for conduit and wiring connections. The heater operates continuously and the maximum skin temperature of the destruct unit can reach 150°F depending on ambient temperature and the flow through the unit.

The OD-900 series is available in two standard sizes:

Models 923 and 926.



KEY FACTS

99% Destruction efficiency

Electric heater pre-heats gas

Stainless steel construction

Manganese dioxide /
copper oxide catalyst

OZONE ADVANTAGES

Ozone is the safest and most natural purification and disinfection agent for fresh produce. It is approved by the FDA and USDA as a food contact substance and is certified organic.

Ozone's method of action is to destroy the cell wall of the organism upon contact. Because it works instantly, ozone does not enable the development of resistant pathogen strains, an increasing problem for the produce industry.

Generated from the oxygen in air, ozone reverts to pure oxygen after doing its job, leaving no residue on produce. Ozone is made on-site; no delivery or storage of toxic chemicals required. At the levels Purfresh recommends, ozone is safe for people, product, equipment and the environment.

PURFRESH OZONE DESTRUCT

SPECIFICATIONS

MODEL	923	926
CATALYST	Carulite 200	Carulite 200
GAS FLOW	0-8 cfm	0-30 cfm
MATERIAL	316 Stainless steel	316 Stainless steel
CONNECTIONS: INLET	3" Tri-clamp	6" Tri-clamp
CONNECTIONS: OUTLET	3" Tri-clamp	6" Tri-clamp
MIST ELIMINATOR	Stainless steel	Stainless steel
HEATER	120V 40 Watt, continuous	120V 60 Watt, continuous
DIMENSIONS	3" diameter, 25" length	6" diameter, 36" length

DESTRUCT SCHEMATIC

