

PIE Ozonation

Introduction

Ozone has been proven and recognized by FDA, WHO and USDA to be safe in food industry. It is also a powerful disinfectant and de-odor media; and has been accepted in many countries. Ozone can also fully replace hot water and chlorine due to its strong disinfection power. Using ozone in the kitchen is absolutely environmental friendly and cost saving.

Application

Ozone is a proven killer of bacteria, virus and fungi in the nature. It also decomposes food toxin and chemical additives. It can be of tremendous beneficial to the in treatment of both water and air.



Exhaust Vent Duct



Sewage Pit

Ozone Air System

Ozone Air is the best and effective found tool to deodorize and sterilize whether it is indoors or outdoors.

- 1. Odor removal:** Ozone can be applied in kitchens, butchery rooms, freezers, garbage rooms and warehouses for the removal of odor and sterilization. Ozone can eliminate odor cross contamination which used to happen inside the cold storage.
- 2. Food Preservation:** Ozone is the best tool to reduce the spoilage of fruit, vegetable and meat by the effective control of mold, fungi and bacteria. Ozone can decompose 'ethylene', the gas which causes fruit and vegetable ripening. Therefore, once an appropriate amount of ozone is applied, the shelf-life of food can be prolonged significantly.
- 3. Repels pest:** Once an ozone dosage is up to a certain level, rats and other insects will be driven away.
- 4. Air Freshening:** Ozone gas can kill germs and bacteria from the air. It can be applied to food factories, kitchens, home for the aged, laundry and hospitals.

The PIE Ozonation monitor is an on-line system designed for the continuous measurement of ozone gas in the ambient. It is a good control for ozone dosing; however, changes in the environment will affect the ozone level.



Model No.	DIFFUSION SERIES			
	A-9000A-d	A-6000A-d	A-3000A-d	A-1501A-d
Ozone Capacity (g/hr)	9	6	3	1.5
Electricity (kW/V/Ph/Hz)	0.7/220/1/50	0.4/220/1/50	0.25/220/1/50	0.11/220/1/50
Disinfection 0.5-2ppm Effective volume (m ³)	330	220	110	55
Odor Removal 0.05-0.1ppm Effective volume (m ³)	660	440	220	110
Dimension (W x D x Hmm)	410x205x660	410x205x550	350x145x450	320x160x220
Model No.	INJECTION SERIES			
	A-7000A-i	A-4500A-i		
Ozone Capacity (g/hr)	7	4.5		
Electricity (kW/V/Ph/Hz)	0.48/220/1/50	0.45/220/1/50		
Disinfection 0.5-2ppm Effective volume (m ³)	260	165		
Odor Removal 0.05-0.1ppm Effective volume (m ³)	510	330		
Air Pump (L/min)	10 ~ 25	5 ~ 15		
Dimension (W x D x Hmm)	350x205x450	300x205x400		
Generator Compressor	300x205x300	300x205x300		
Model No.	Ozone Monitor			
	OZ-06b			
Measurement Range (ppm)	0 ~ 0.225 / 0 ~ 2.25			
Reading Display	Series LED			
Data Logging & Output	Data Logging/RS232 1 dry contact output			
Electricity (V/Ph/Hz)	220/1/50			
Dimension (W x D x Hmm)	85x85x160			

