

EnviroTech Group

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ECO Air Purification System ***A Photohydroionization^{2TM} (PHI) Technology***



- Reduces airborne microbes by up to 90%.
- FDA and USDA approved process for food plants.
- 5 year warranty - 1 year on PHI cell
- Food grade stainless steel construction for years of trouble free service.
- Helps eliminate airborne odors, mold VOCs and bacteria.
- Helps extend food shelf life and reduce spoilage.
- Reusable dust and grease filter

Ideal for most food plants, grocery stores, storage rooms, manufacturing facilities and more

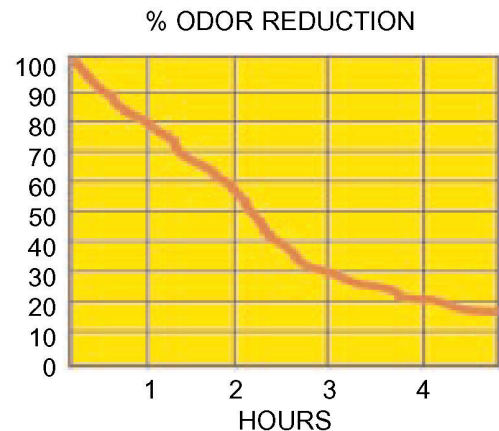
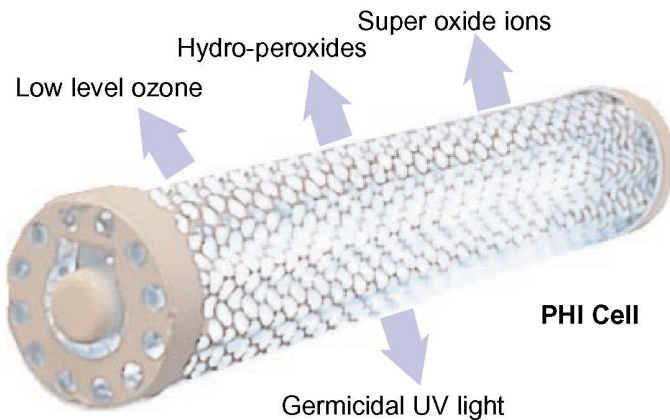
Most plants do not check the air for microorganisms on a daily or monthly basis. Bacteria and mold can continuously breed in ducts and on the evaporator coils of refrigeration systems. As a result, mold and bacteria settling out of the air can contaminate product and equipment. Packaging rooms, refrigerated coolers, and employee changing rooms are particularly susceptible to these airborne problems. RGF developed the patent pending ECO Air system to provide the processor with continuous protection in sensitive air spaces.

Air passes through a Photohydroionization^{2TM} (PHI) oxidation chamber, which destroys airborne microbes by bombarding ozone (O₃) with high intensity UV light rays targeted on a tri-metallic compound. The process develops a highly charged atmosphere of hydroxyl radicals, hydro-peroxides, ozone, super oxide ions and silver ions. This atmosphere oxidizes air with friendly oxidizers. By friendly oxidizers, we mean oxidizers that revert back to oxygen and hydrogen after the oxidation process. No chemical residue or dangerous compounds are emitted from the system. The ECO Air System can reduce levels of airborne microbes and odors by up to 90% or more. Airborne contaminants in the form of bacteria, mold, and yeast continue to be one of the least addressed issues in most processing plants. Since these organisms cannot be seen they are often ignored. The organisms can enter the plant on employee's clothing and bodies, through intake and makeup air systems, on packaging materials, wooden pallets and vehicles that operate around the plant.

Applications:

Dumpster rooms, lift station rooms, food processing plants, storage rooms, grocery stores / supermarkets, distribution facilities.

ECO Air Purification System



SPECIFICATIONS

MATERIAL	Stainless Steel
DIMENSIONS	12" X 12" X 60"
WEIGHT	65 lbs
ELECTRICAL	110 VAC / 2 amps

Item	Treatment area
ECO 4000CF-16	4000 cubic ft
ECO 8000CF-16	8000 cubic ft

Replacement PHI Cell Part#:	
PHIC-36/5A	(2) ECO 4000CF-16
	(4) ECO 8000CF-16

BEFORE



AFTER



Actual lab tests showing up to 90% reductions of airborne bacteria and mold

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