

SI-P SERIES

ODOR REDUCTION SYSTEMS



The SI-P series oxidizers are the latest high output, self-contained air purification products designed to reduce odors. These oxidizers are very economical solutions using minimal power and requiring no chemicals or high priced media.

An electro-oxidation process is used in which a duct containing odorous air is injected with a stream of reactive oxygen molecules from the SI-P oxidizer. These molecules are produced by passing ambient air through an electric field which splits the oxygen molecules and forms O_3 , $OH^\cdot$, $O_2^\cdot$, O_2^+ , and $O^\cdot$. These reactive molecules oxidize H_2S and other odor causing compounds in the foul air.



EngA

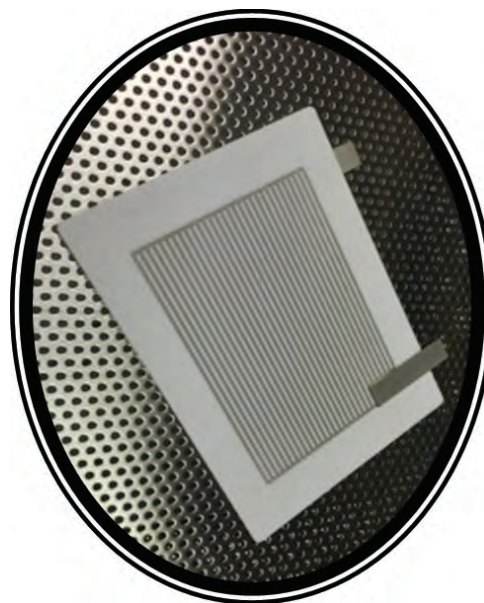
ENGINEERED AIR

TRI-MED

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Internal view of oxidizer



CNC printed oxidizer plate

Features

- High output CNC printed oxidizer plates
- Generator head assembly allows for convenient loading and removal of plates
- 135 CFM (64 L/s) blower delivers high concentrations of oxidant for source application
- Built-in hour meter for maintenance scheduling
- Variable output control
- 304 or 316 all stainless steel construction
- Generator heads are protected with a high efficiency filtration system

Benefits

- Long lasting corrosion resistant equipment
- Compact physical design
- Low annual maintenance
- Hands-off operation
- Wide range of treatable gases and load conditions
- Low cost operation
- No consumables

Control

These units can be optionally paired with the CZ12 Ozone Monitor and CZ6-SC VOC Sensor Control Module to create an automated air purification system continually balancing oxidant levels with load levels for the cleanest air.

Location

For maximum results, these units should be connected to the suction side of an air movement system. The reactive oxygen is injected into the odorous air flow reacting chemically with the foul air to achieve oxidation and neutralize the odor.



ENGINEERED AIR

MANUFACTURING FACILITIES:

CALGARY AND EDMONTON, ALBERTA | DESOTO, KANSAS | NEWMARKET, ONTARIO

OXI-SI-JUL2022

HEATING | VENTILATING | AIR CONDITIONING | AIR QUALITY | ENERGY RECOVERY