LAN

INDUSTRIAL PROCESSING THERMAL OXIDIZER

DID YOU KNOW?...

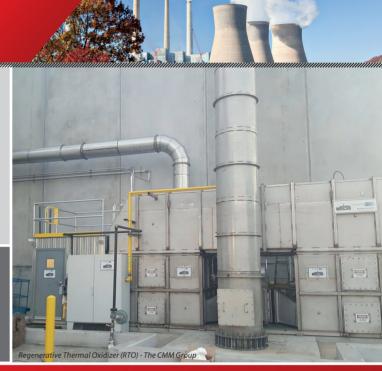
PROCESS

A thermal oxidizer is a type of air pollution control equipment used to reduce emissions of harmful volatile organic compounds (VOCs) in several industrial processes by oxidizing the chemicals to carbon dioxide and water vapor. Natural gas is usually the fuel source.

A direct-fired oxidizer is simple and has low capital cost, but a regenerative thermal oxidizer (RTO) is more efficient because it uses the heat from a previous oxidization cycle to preheat the next batch of waste gases.

PROBLEM

To demonstrate compliance with environmental regulations, emissions of nitric oxide and nitrogen dioxide (collectively referred to as NOx) and particulate matter must be monitored and controlled.



AMETEK LAND SOLUTION

The 4500 MkIII opacity monitor or 4650-PM are ideal for measuring emissions of particulate matter. The FGA950 is an inexpensive, compact analyzer which be used to monitor for O_2 , CO and NOx in this process.

4500 MkIII

The best opacity monitor for compliance measurements to PS-1 and ASTM D6216. Used for stack gas monitoring



4650-PM

Continuous measurement of the concentration of low-range particulate matter in stacks and ducts. Can be used as a PM-CEMS or PM-CPMS.



FGA950

A compact, reliable multi-gas analyser with MCERTS QAL 1 approval for measuring flue gas emissions in processes burning natural gas and biomass.



FOR MORE INFORMATION VISIT: WWW.AMETEK-LAND.COM



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APPLIES IN THE US

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