PRM Thermal Oxidizer

PRM Gas Fired Thermal Oxidizers are typically used for destruction of higher concentrations of volatile organic compounds (VOCs). When operated in a straight thermal mode, the units are fired to 1400°F and retention times are 1.5 seconds. Destruction is typically >99.9% for VOCs. When operated in catalytic mode, the units are fired to 700°F and destruction is >95%-99%. PRM induces fume directly into the combustion chamber aimed towards the burner.

PRM Oxidizers are the safest on the market. The programmable logic controller (PLC) is continually scanning in the background to look for potential problems.

300 - 5000 CFM Flow Ranges Available

Typical Features:

- Skid or Trailer Mounted
- Carbon Steel Combustion Chamber
- 6” Refractory Lining on Shell
- Inlet Flame Arrestor
- Process Burner and Combustion Fan
- NFPA and AGA Approved Gas Train
- 3rd Party NRTL Listed Control Panel
- 230 VAC or 480 VAC
- Stainless Steel Type K Thermocouples
- Purge / Dilution Actuated Butterfly Valve
- Pressure Switch to Monitor Inlet Process Flow
- High Visibility Temp Controllers with Retransmission Feature
- Siemens Logo® PLC with Touch Screen for Control and Trending Functionality
- System Pre-Tested Prior to Shipment
- On Site System Startup Training

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