

Trailer Mounted High-VOC Thermal Oxidizer Model CEF-5

The CEF-5 is a trailer mounted, natural gas or propane thermal oxidizer designed to treat hydrocarbon contaminated air streams. It can handle both low VOC contaminated streams <50% LEL and high VOC streams, >50% LEL. The unit and controls can be converted to operate with a catalyst module insert. The oxidizer is designed to operate completely independent of the process and is equipped with an enable/disable signal interface in the system control panel.

Base System Components

Epoxy Coated Carbon Steel Outer Shell	UL Listed, Nema 4 Control Panel
High Temperature Ceramic Insulation	PLC w/ First Outage Fault Finder
Trailer Mounted	Thermocouple Temperature Control
Two (2) Oxidizer Process Blowers w/ VFDs	Digital Chart Recorder
Flame Arrestor for low VOC process	Automatic Purge / Process Damper
Flame Trap for high VOC process	Air Flow Sensor and Gauge
Natural Gas or Propane Primary Burner	Differential Pressure Transmitter
NFPA Compliant Gas Train	Instrumentation Package
Stainless Steel Exhaust Stack	

Specifications

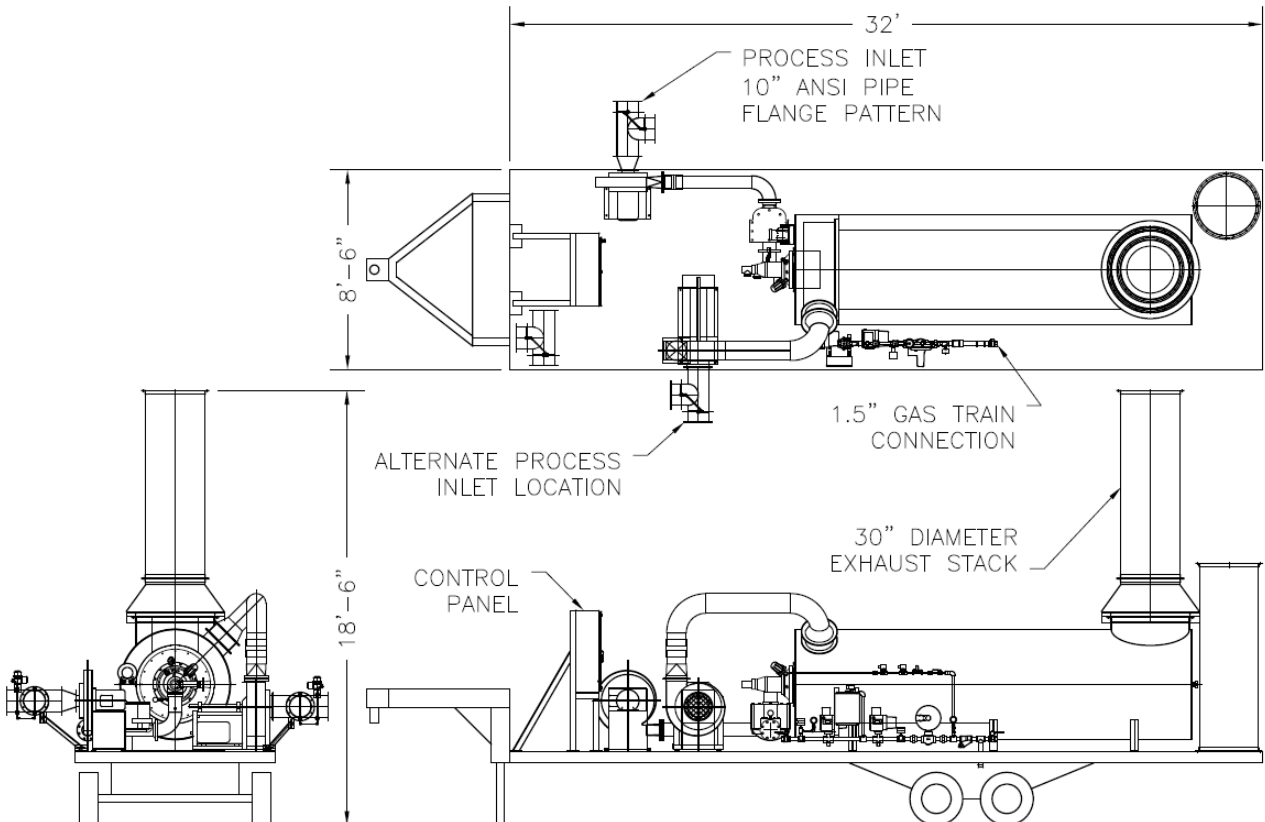
Maximum Air Flow Capacity:	3,050 SCFM
Minimum Air Flow:	800 SCFM
Maximum Inlet Temperature from Source:	300 °F
Burner Capacity:	4,800,000 BTUH
Inlet Connection:	11" Dia.
Stack Height:	18' 7" Above Ground
Stack Diameter:	30"
Maximum Thermal Operating Temperature:	1800 °F
Optional Catalyst Module:	Precious Metal Monolith
Catalyst Operating Temperature:	650 °F
Maximum Exit Catalyst Temperature:	1200 °F
Maximum Hydrocarbon Throughput:	
High VOC Mode	~5 MMBTUH or 750 SCFM
Thermal Mode	<50% LEL
Catalytic Mode	<25% LEL
Oxidizer Process Blowers:	7.5 HP
Time To Reach Operating Temperature:	15 Minutes from cold start
Power Requirements:	460/3/60, 26 FLA
Trailer:	16,000 lb Dual Axle





Pollution Systems

INDUSTRIAL AIR SOLUTIONS



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