



Description of the Pollution Controls in Miami, FL.

2005 AEG Regenerative Thermal Oxidizer (RTO) 17,500 SCFM Pollution Controls

Pollution Controls

AEG (Advantage Energy Group Inc.) Regenerative Thermal Oxidizer (RTO)

Process Exhaust Flow Rate (SCFM)	17,500
Gas Exhaust Temperature F°	325
Moisture Content (%)	2-3
VOC Concentration Lb/Hr	210 maximum
VOC Constituents	18,500
VOC Net Heating Value, Btu/Lb	Magie Oils
Warranted Destruction Efficiency	98% (99% + with Puff Capture)
Oxidation Temperature, Degrees F	1600
Oxidizer Thermal Efficiency (%)	95

Basic Equipment Specifications

Operating Temperature	1600 deg. F
Burner Installed Capacity	4.3 MM btu/hr.
Gas Pressure Requirement	5 PSI
Overall Plan Area (stacked unit)	28L x 19W x 21H
Total System Weight	81,000 lbs (including puff capture)
Installed Fan Motor h.p.	125
Installed Combustion Blower h.p.	7.5
Capacity (SCFM/ACFM)	17,000 / 25,562
Static Pressure ("w.c)	33.6
Brake Horsepower	121
Construction Temperature (F°)	500

Utility Requirements

Electric	167 amps @ 460 volt/3 phase/60 hertz, 25 amps @ 110 volt / 1 phase 60 hertz
Fuel	4,300 cfh as natural gas @ 5 psig
Compressed Air	275 cfh @ 90 psi @ -40 F. dew point

When installed

2005 in Miami, Florida

New Purchased price

\$726,193 installed price ... the AEG RTO unit (\$421,000), Super Structure, Ceramic Media, Exhaust Stack, Ductwork at \$600 per foot, Puff Capture Chamber, Heat Recovery Bypass and Installation

Note: Ductwork is capable of withstanding 160 MPH wind load

Used Purchased price

Call for pricing. Available immediately.

Other Details

- The machine is sitting on a super structure that is approximately two feet high on the roof.
- The super structure starts on the ground and goes up to the roof and extends over the roof line.
- The height from the ground to the roof is 24 feet plus two feet for the super structure on the roof for a total of 26 feet.
- The size of the super structure and the AEG RTO unit is approximately 49 feet long and 22 feet wide.
- The height of the stack is approximately 25 feet high.
- The ductwork includes the following: 12' diameter ductwork is approximately 40'. The 8' diameter ductwork is approximately 96' and the 6' diameter ductwork is approximately 64' ... total of 200 feet of ductwork.
- Also, new ceramic media included

For additional information, contact

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