

The Industries
Leading Technology
Just Got Better!

PRODUCT UPDATE

MakoCat “Ultra”

250 CFM ALL ELECTRIC / CATALYTIC
OXIDIZER with **NO NOx EMISSIONS!!**

- No NOx Emissions
- 60% Heat Recovery
- 99.9% DRE Catalyst
- <.20 LBS/Day VOC
- Low Utility Costs
- Easy Operation
- Consistent Uptime
- Quiet Operation
- Small Footprint (5' x 5')
- Durable Construction
- One Utility Connection
- < 100 Amps Required
- 208-230-480 Volt Utility

SCAQMD Rule 1147 Compliant



Environmental Remediation Equipment Manufacturing and Service

Northern California Office:

831 North K Street
Livermore, CA 94551
925-209-7985 Fax 925-396-6084

Southern California Office:

1280 North Red Gum Street
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MakoCat 250 “Ultra”

Electric Catalytic Oxidizer Specifications

| | |
|----------------------------------|---------------------------------|
| Chamber Length | 6 feet |
| Stack Exit Velocity | 15 feet / second |
| Stack Discharge Height | 13 feet |
| Stack Dimensions | 8” Diameter Round |
| Chamber Dimensions | 30” outside / 20” inside |
| Chamber Internal Lining | Ceramic Fiber |
| Destruction Efficiency | 99.9% + |
| Operating Temperature | 600° to 1200° |
| Maximum VOC Influent | 3000 ppmv |
| Normal VOC Effluent | <.20 Lb / Day |
| Heat Exchanger Efficiency | 60% |
| NOx Emissions | 0.00 |

Blower Specifications

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|------------------------|------------------------------|
| Blower Type | Positive Displacement |
| Volumetric Flow | 250 SCFM maximum |
| Vacuum | Up to 12” Mercury |
| Motor Type | 10 HP - TEFC |

Catalyst Specifications

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|-------------------------------|--|
| Catalyst Type | Platinum Coated Ceramic Substrate |
| Catalyst Size | 18” x 18” x 4.5” Height |
| Catalyst Volume | .84 ft³ |
| Destruction Efficiency | 99.9% + |
| Maximum VOC Influent | 3000 ppmv |
| Normal VOC Effluent | <.20 Lb/Day |

Utility Specifications

| | |
|--|-----------------------------------|
| Electrical Requirements—3 Phase | 208-230-480 Volt / 100 Amp |
| Electrical Requirements—1 Phase | 208-230 Volt / 100 Amp |