



# Diesel Oxidation CATALYSTS



## DOLLARS & SENSE.

### *Cost-Effective, Reliable Diesel Compliance.*

If you run stationary diesel engines, it's a safe bet you're generating more than power. Diesels produce carbon monoxide (CO), soot, volatile organic compounds (VOCs) and other hazardous air pollutants (HAPs), sulfur acids, odor, and more. That means health risks – and strict environmental regulations.



» Diesel Oxidation Catalysts  
*Your Best Bet for Diesel Compliance*

*The sensible, cost-effective solution?* **MIRATECH Diesel Oxidation Catalysts.**

These durable, high-performance catalyst elements cut diesel exhaust CO, particulates, sulfur acids, VOCs and HAPs to fine-free compliance-levels, at minimum cost, with minimum space requirements and impact on your operation.

Standard-setting design, expert craftsmanship and top-quality fabrication mean that each MIRATECH Diesel Oxidation Catalyst element delivers long-lasting, problem-free performance you can bank on, year after year.

## CONTACT MIRATECH.

At MIRATECH, it's not enough to meet regulatory requirements. We meet your business needs – and work hard to cut both the costs and the hassles of emissions compliance. The MIRATECH Diesel Oxidation Catalyst is a prime example. Find out more about the MIRATECH Diesel Oxidation Catalyst – and all our other Emissions Solutions. Simply give us a call – or visit our website: [www.miratechcorp.com](http://www.miratechcorp.com)

## WHY MIRATECH?

- » Advanced Technology
- » Cost-Effective, Comprehensive Solutions
- » Unsurpassed Experience & Expertise
- » Fast, Responsive, Customer-Focused Service & Support
  - Prevent Non-Compliance Fines
  - Improve Engine & Catalyst Performance
  - Cut Maintenance Costs
  - Maximize Catalyst Life

## EMISSIONS SOLUTIONS

- » Non-Selective Catalytic Reduction
  - 3-Way Catalyst Systems
  - Oxidation Catalysts
  - HAPs Catalysts
  - Diesel Oxidation Catalysts
- » Catalyst Housings
  - MN/MBA
  - IQ
- » Catalyst/Silencer Combos
  - QCC/QCH
  - RCS/RHS
- » Active Regeneration Soot Traps
- » SCR Catalyst Systems
- » Nx Analyzers
- » Analysis-Controlled Injection Systems
- » Air-Fuel Ratio Control Systems
- » Service Contracts
- » Technical Support & Training
- » MIRATECH Catalyst Services
- » Replacement Parts

[ CUT DIESEL EMISSIONS – AND COMPLIANCE COSTS. CHOOSE MIRATECH. ]

# Diesel Oxidation CATALYST



## YOUR BEST BET.

Running diesel means running the risk of costly non-compliance fines. Our Diesel Oxidation Catalyst keeps emissions in check – CO, VOC, aldehydes and other HAPs, sulfur acids,

soot, odor and more – at minimum cost, with minimum space requirements, and with minimum hassle and headache.

For stationary diesel engines large and small, in applications ranging from backup or standby power generation to liquids pumping, marine power, locomotives and more, count on MIRATECH Diesel Oxidation Catalysts to keep your operation in compliance – and on the right side of the fine line.

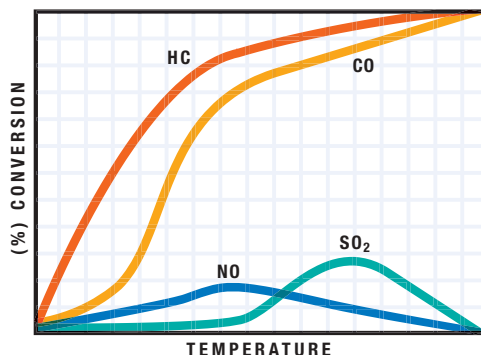
## BETTER DESIGNED. BETTER BUILT.

Nothing prevents nesting or resists vibration and shock better than the Diesel Oxidation Catalyst's corrugated metal foil construction – with the multi-layered honeycomb design adding durability. Chemisorption catalyst impregnation produces a cost-effective, long-lasting element that resists sulfur-buildup and catalyst "poisoning." The patented MIRATECH banding and pinning process ensures superior mechanical strength and high-temperature tolerance – and wards off backfire damage.

Plus, the distinctive MIRATECH flat-top "Y"-design eliminates blow-by sagging and telescoping.

Each element is wrapped in tough 304 stainless steel for virtual indestructibility, as well as personnel safety. The hard outer band protects workers from injury and makes element insertion and removal quick and easy.

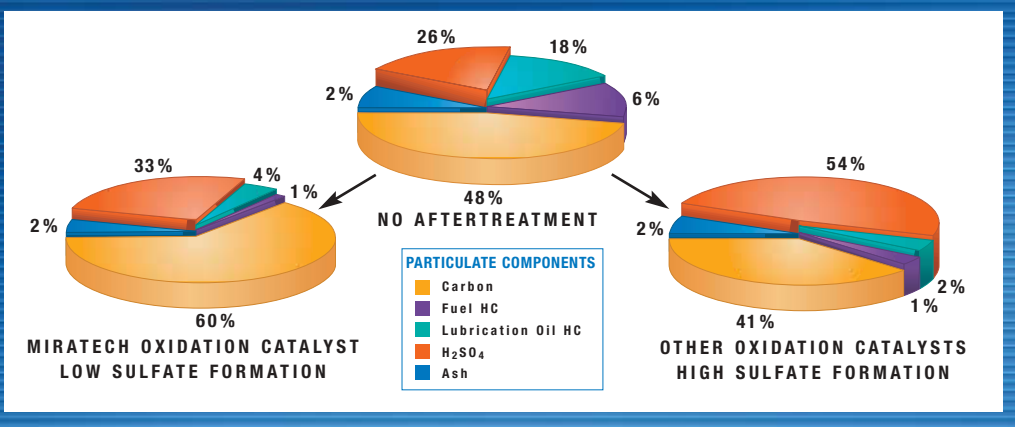
## OXIDATION PERFORMANCE



## ELEMENTARY GEOMETRY: THE RIGHT FIT FOR ANY SYSTEM.

The MIRATECH Diesel Oxidation Catalyst comes in a wide variety of shapes and sizes – matching a range of engine sizes, applications, catalyst system requirements, and budgets.

## DIESEL PARTICULATES



## EMISSION SOLUTIONS: CONTACT MIRATECH.

Whatever your emission control needs may be, count on MIRATECH for solutions. Contact us by phone, e-mail, or FAX – or simply visit our website: [www.miratechcorp.com](http://www.miratechcorp.com). Ask for your FREE subscription to our useful, fact-filled electronic newsletter, *THE EMISSIONS MONITOR*.



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## WHY MIRATECH DIESEL OXIDATION CATALYSTS?

**Better Designed, Better Built. Better Value.**

- ▶▶ Cost-Effective, Money-Saving, No-Hassle Diesel Compliance.

## APPLICATIONS

- ▶▶ Stationary Diesel Engines
  - Power Generation (Backup, Peak-Usage & Stand-by)
  - Water Pumps & Irrigation
  - Marine Power
  - Locomotives
- ▶▶ Minimizes Catalyst Cost & Space Requirements
  - Simultaneously Cuts CO, VOCs, Aldehydes & Other HAPs, Particulates, Soot & Odor
  - Prevents Non-Compliance Fines
- ▶▶ Low SO<sub>2</sub> – SO<sub>3</sub> Conversion
  - Minimizes Sulfur Acids & Particulate Formation
- ▶▶ Quick & Easy Element Insertion & Removal
- ▶▶ Low Pressure-Drop – Resists Vibration & Shock
- ▶▶ Resists Backfire Damage
- ▶▶ Flat-Top Bonnet Design Eliminates Blow-By & Enhances Catalyst Performance
- ▶▶ Durable, Long-Lasting Performance
- ▶▶ 304 Stainless Steel Outer Shell: Virtually Indestructible – & Safer For Workers
- ▶▶ Patented Banded & Pinned Construction:
  - Superior Mechanical Strength & Thermal Durability
- ▶▶ Independent Corrugated & Flat-Foil Construction Honeycomb Design: Prevents Nesting
- ▶▶ One-Year Warranty