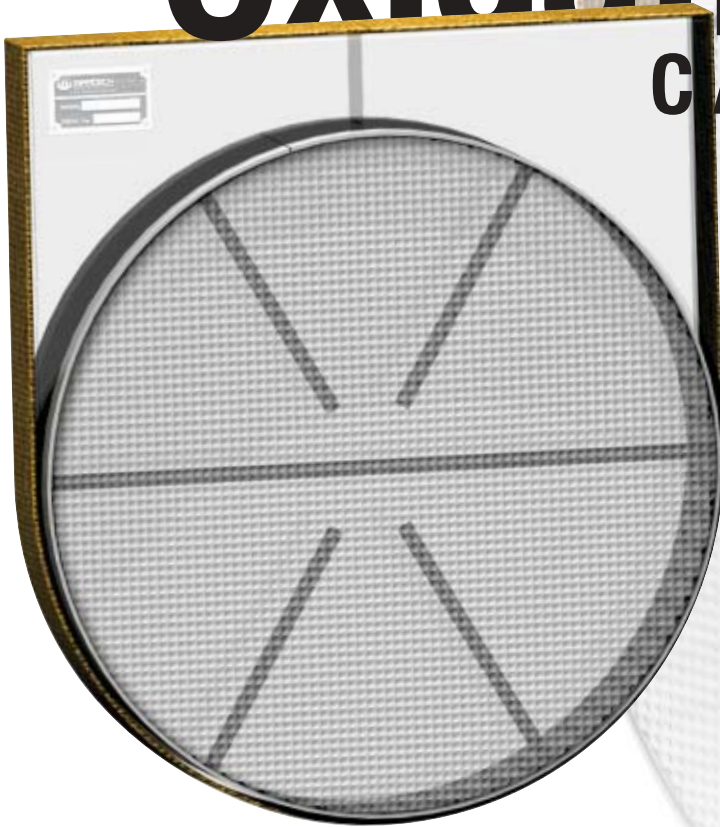




Oxidation CATALYSTS



CLEAN SWEEP.

Cost-Effective, Ongoing Lean-Burn Compliance.

With lean-burn natural gas, propane or dual-fuel industrial engines, you face tough, twin challenges in exhaust emissions control – with stiff penalties for non-compliance.



▶MIRATECH Catalyst Manufacturing
Better Designed, Better Built

To handle carbon monoxide (CO), volatile organic compounds (VOCs), hazardous air pollutants (HAPs) and more, your best bet is the **MIRATECH Oxidation Catalyst**.

Together with the MIRATECH SCR system, specially designed to reduce oxides of nitrogen (NOx) in the oxygen-rich lean-burn engine exhaust stream, the MIRATECH Oxidation Catalyst keeps your operation on the right side of emissions regulations, with easy installation and maintenance – and fewer headaches for you and your people.

CONTACT MIRATECH.

The MIRATECH Oxidation Catalyst is the most advanced, comprehensive and cost-effective Non-Selective Catalytic Reduction solution you can buy. To put the Oxidation Catalyst to work in your operation – or to find out more about other MIRATECH Emissions Solutions – simply give us a call. Or visit our website: 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

Oxidation CATALYSTS



PARTNER-PLUS.

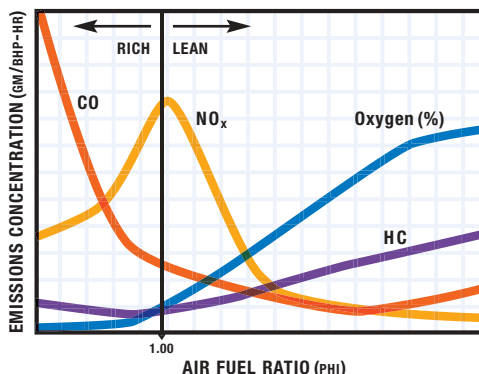
The MIRATECH Oxidation Catalyst gives you a reliable, low-cost, no-hassle solution in lean-burn engine CO, hydrocarbons, VOCs and HAPs. Together with MIRATECH SCR control of lean-burn engine exhaust NO_x, the Oxidation Catalyst keeps your operation on the right side of the non-compliance fine-line, with easy installation and maintenance, less impact on engine performance, and fewer headaches for you and your people.

BETTER DESIGNED. BETTER BUILT.

Our Flat-Top Bonnet™ design eliminates blow-by and evens-out pressure across the catalyst face. In real-world operation, nothing prevents nesting or resists vibration and shock better than the MIRATECH 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 masking and catalyst “poisoning.” And the patented MIRATECH banding and pinning process is your assurance of superior mechanical strength and high-temperature tolerance.

Each element is wrapped in tough, 304 stainless steel for virtual indestructibility, as well as personnel safety. The hard

UNCONTROLLED EMISSIONS: RICH-BURN & LEAN-BURN ENGINES

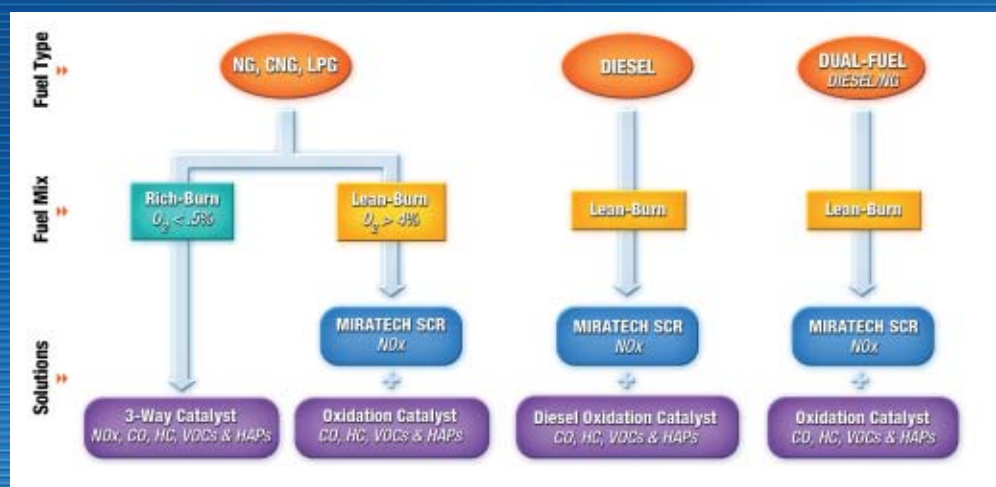


outer band, with its "Easy-Grab" lift-shelf, protects workers from injury and makes element insertion and removal quick and easy.

MIRATECH REPLACEMENTS.

MIRATECH manufactures replacement elements for our MBA, EQ and IQ catalytic converters, as well as our RCS/RHS Catalyst-Silencer combos. Custom designs to replace elements from other manufacturers – with the hallmark quality, performance and value of MIRATECH Diesel Oxidation, 3-Way and Oxidation Catalysts – are also available.

CATALYST SOLUTION GUIDE



O₂: Oxygen / CO: Carbon Monoxide / NO_x: Oxides of Nitrogen / HC: Hydrocarbons / VOCs: Volatile Organic Compounds / HAPs: Hazardous Air Pollutants

EMISSIONS SOLUTIONS: CONTACT MIRATECH.

Whatever your emission control needs may be, count on MIRATECH for solutions that pay off in benefits you can literally take to the bank. Contact us by phone, e-mail, or FAX – or simply visit our website: www.miratechcorp.com. Ask for your FREE subscription to our useful, fact-filled electronic newsletter, *THE EMISSIONS MONITOR*.

WHY MIRATECH OXIDATION CATALYSTS?

Cost-Effective, No-Hassle, Lean-Burn Compliance.

- ▶▶ CO, HC, VOCs, HAPs
- ▶▶ Better Designed, Better Built, Better Value

APPLICATIONS

- ▶▶ Lean-Burn Stationary Engines
Natural Gas, LPG, Dual-Fuel
 - Power Generation
 - Chillers
 - Gas Compression
 - Air Compression
 - Water Pumps & Irrigation

FEATURES & BENEFITS

- ▶▶ Minimizes Catalyst Cost Of Ownership & Operation
 - Simultaneously Cuts CO, VOCs, Hydrocarbons, Aldehydes & Other HAPs
 - Prevents Non-Compliance Fines
- ▶▶ Quick & Easy Element Insertion & Removal
- ▶▶ Flat-Top Bonnet™ Design Eliminates Blow-By & Enhances Catalyst Efficiency
- ▶▶ Low Pressure-Drop
- ▶▶ Resists Vibration & Shock
- ▶▶ Minimizes Impact On Engine Performance
- ▶▶ 304 Stainless Steel Metal Monolith: Virtually Indestructible & Safer For Workers
- ▶▶ Patented Banded & Pinned Construction:
 - Superior Mechanical Strength & Thermal Durability
- ▶▶ Multi-Layer Honeycomb Design: Prevents Nesting, Masking & “Poisoning”
- ▶▶ One-Year Warranty

