

HOUSINGS

Ground Access

WHY GROUND ACCESS?

- **Twice the Performance**
 - **Emissions Reductions**
 - Natural Gas Oxidation
 - CO, HC, HAPs
 - Diesel Oxidation
 - CO, HC, HAPs, PM
 - **Noise Control**
 - Up to 52 dBA
- **Low Cost of Ownership**
 - First-Time Permit Certainty
 - Quick & Easy Maintenance
 - High Performance, Long Life, High Value

APPLICATIONS

- **Lean-Burn Engines**
 - 1400 to 20,000+ hp
- **Natural Gas, LPG, Diesel or Dual-Fuel**
 - Gas Compression
 - Power Generation

FEATURES & BENEFITS

- **Integrated Single-Unit Design**
 - Saves Space; Reduces Installation & Maintenance Costs
- **Concrete Pad Mount Design**
 - Faster, Easier Installation & Maintenance
- **Fewer Components**
 - Reduced Part Costs
- **"Ground Access" Design**
 - Easy access to catalyst elements
- **Flat-Top Bonnet™ Element Design, Improved Gasket Material**
 - Eliminates Blow-By & Enhances Catalyst Performance
- **Virtually Indestructible Metal-Monolith Element**
 - Superior Mechanical Strength, Thermal Durability & Handling Safety

PRODUCT ADVANTAGE

The MIRATECH Ground Access is a custom-engineered catalyst-silencer solution for large lean-burn engines greater than 1400 hp.

INNOVATIVE DESIGN

MIRATECH's Ground Access product line is a custom solution with a unique design for large gas compression and power generation engines. Ground Access is a combination catalyst/silencer that allows the housing to set vertically. Ground Access eliminates the need for stands, ladders and platforms, improves overall aesthetics, plus reduces install cost as well as install footprint.

Ground Access has a base mounted, ground accessible design. It is the solution for engines in the range of 1400 to 20,000+ hp.

Ground Access utilizes MIRATECH's VORTEX® catalyst elements that provide increased durability and catalyst performance from higher air-flow turbulence across the catalyst surface.

VORTEX® is engineered with an advanced substrate that has multiple turbulent zones, superior stability, better CO reduction and a two-year element warranty. It can be designed with extra catalyst tracks to meet future emission needs.

EMISSIONS REDUCTIONS		
FUEL	REDUCTIONS	CATALYSTS
Lean-burn Natural Gas Propane or Dual-Fuel	Up to 99% CO Up to 99% CH ₂ O Up to 85% VOCs	Oxidation Catalyst for Gas Engines
Diesel	Up to 98% CO Up to 98% VOCs Up to 30% PM	Diesel Oxidation Catalyst



Ground Access Installation

HOUSINGS Ground Access

GROUND ACCESS ADVANTAGE

MIRATECH catalytic converters are better designed and better built so they work harder, longer, at less cost and with less maintenance than traditional converters. For example, MIRATECH produces catalyst elements through chemisorption catalyst impregnation. The result? Long-lasting, cost-efficient, poison-resistant performance. MIRATECH also fabricates its housings with carbon or 304 stainless steel while the VORTEX® substrate is your assurance of superior thermal durability and mechanical strength. These combos also utilize VORTEX® elements which use a revolutionary substrate with static mixing and turbulence to create an element that is more efficient and durable than comparable industrial engine catalysts with a traditional open-foil design. Plus, VORTEX® elements have a two-year warranty.

IMPROVED SEAL

The improved gasket material in the Ground Access and VORTEX® substrates eliminates blow-by, sagging and telescoping, and maximizes exhaust-catalyst contact for more efficient emissions control.

CUSTOM SILENCING

Ground Access housings give you custom levels of noise abatement. When more noise reduction and structural support for wind and seismic loads are required, ground access is the solution.

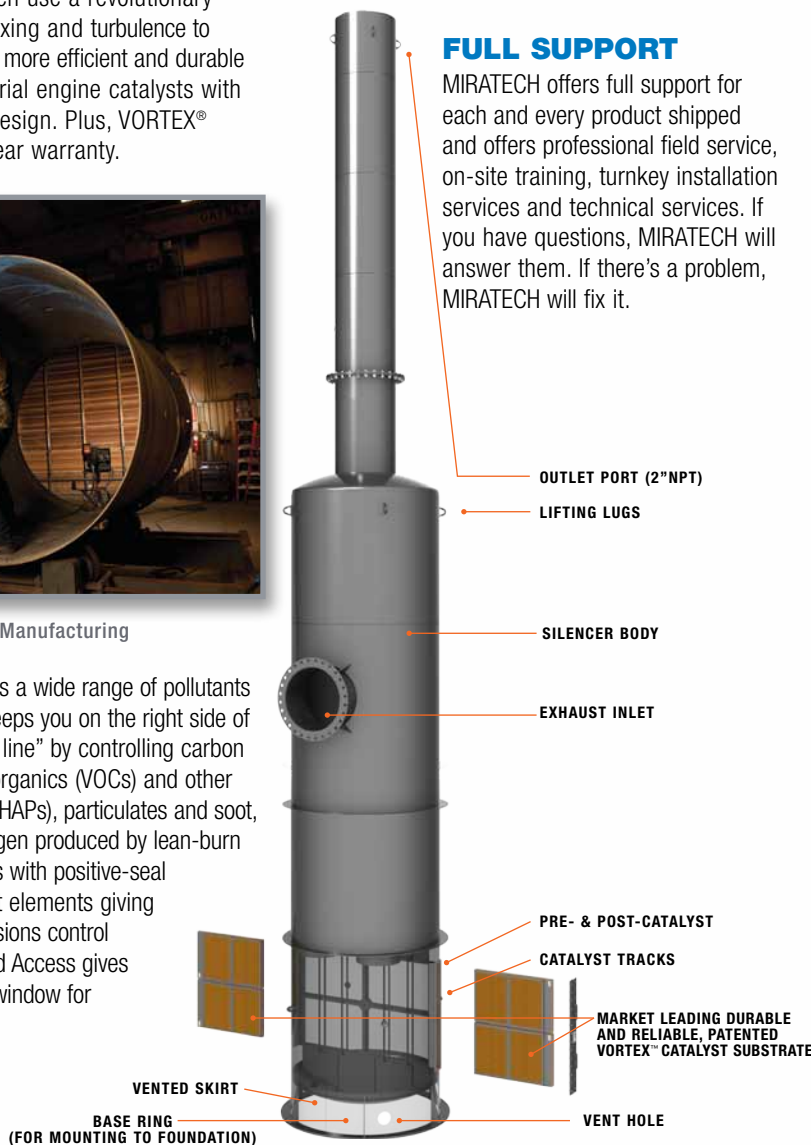
FULL SUPPORT

MIRATECH offers full support for each and every product shipped and offers professional field service, on-site training, turnkey installation services and technical services. If you have questions, MIRATECH will answer them. If there's a problem, MIRATECH will fix it.



Silencer Body Manufacturing

The Ground Access brings a wide range of pollutants within compliance and keeps you on the right side of the noncompliance "fine line" by controlling carbon monoxide (CO), volatile organics (VOCs) and other hazardous air pollutants (HAPs), particulates and soot, as well as oxides of nitrogen produced by lean-burn engines. Each unit comes with positive-seal slots for multiple catalyst elements giving you an expandable emissions control capacity. Plus, the Ground Access gives you a wider compliance window for Air-Fuel Ratio Control.



WHY MIRATECH?

- Advanced Technology
- Product Range: 20 to 20,000+ hp
- Innovative, Cost-Effective, Comprehensive Emissions Solutions
- RICE NESHAP Compliant
- Turnkey Projects
- Unsurpassed Experience & Expertise
- Fast, Responsive, Customer-Focused Service & Support
 - Prevent Non-Compliance Fines
 - Improve Engine & Catalyst Performance
 - Cut Maintenance Costs
 - Maximize Catalyst Life
- Full Service Catalyst Wash & Repair
 - 'Free Wash for Life' on Next® & Vortex® Substrates
- Project Management
- Onsite Services
 - Supervision
 - Technical
 - Skilled
- Product O&M Training
- Replacement Parts

EMISSIONS SOLUTIONS

- Catalysts
 - 3-Way
 - Oxidation (Natural Gas & Diesel)
 - HAPs
 - Selective Catalytic Reduction (SCR)
 - Urea Hydrolysis
- Housings
 - NX
 - IQ
 - CBS
 - CBL
 - Silencer Combinations
 - VX Series
 - RX Series
 - ZX Series
 - Ground Access
- Controls
 - SCR
 - Active DPF
 - Air Fuel Ratio (Rich & Lean Burn)
 - Monitors
 - RICE NESHAP
 - DPF

Learn More: Phone · Email · Web · "The Emissions Monitor" Subscription

NSCR · SCR · DPF · Silencers · AFRC · NESHAP CPMS · Field Service · Training · Turnkey



420 South 145th East Avenue · Drop Box A
 Tulsa, OK 74108 · USA · +1 918 933 6271
 info@miratechcorp.com · www.miratechcorp.com