Innovative Emissions Solutions

+1 918 933 6271 www.miratechcorp.com



TCS/ZHS/ZES Catalyst-silencer

WHY MIRATECH ZCS/ZHS/ZES?

- Twice the Performance
 - Emissions
 - Up to 99% CO
 - Up to 99% CH20/HAPs
 - Up to 90% VOCs
 - Noise Control
 - ZCS: 25-30 dBA
 - ZHS: 30-35 dBA
 - ZES: 35-50 dBA
- Low Cost of Ownership
 - First-Time Permit Certainty
 - Quick & Easy Maintenance
 - High Performance, Long Life, High Value

APPLICATIONS

- Lean-Burn Engines
 - 1400 to 4500 hp
- Natural Gas & LPG
 - Gas Compression
 - Power Generation
 - Air Compression
 - Liquid or Petroleum Pumping

FEATURES & BENEFITS

- Integrated Single-Unit Design
 - Saves Space; Reduces Installation & Maintenance Costs
- Saddle Mount Design
 - Faster, Easier Installation & Maintenance
- Fewer Components
 - Reduced Part Costs
- 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 ZCS/ZHS/ZES is an exceptional catalyst housing with an innovative design that makes element handling easy and safe. The ZCS/ZHS/ZES housing series incorporates VORTEX®, a catalyst manufactured with a revolutionary substrate, to create an element with static mixing, mass transfer and durability characteristics that are superior to other units in the industry. Plus, VORTEX® elements have an exclusive two-year warranty.

INNOVATIVE DESIGN

Cost-Effective, Comprehensive Solution

- Unique slide-in feature eliminates the need to 'lift and lock' catalysts into the housing so installation/removal is safer and easier
- Multiple element tracks allow users to operate stationary engines with as few as one or as many as six catalysts
- Single-layer catalyst design improves exhaust flow and lowers backpressure
- Replacement catalyst elements are easy to order and stock because one size fits any ZX-Series housing
- Developed to perform with a variety of OEM engines, including Caterpillar, Waukesha, Cummins and Jenbacher
- Specifically designed to function with lean burn natural gas engines ranging from 1400 to 4500 hp

- Incorporates VORTEX®, a catalyst with an advanced substrate that has multiple turbulent zones, superior stability, better CO reduction and a two-year element warranty, the only one in the industry
- Emissions reduction of:
 - Up to 99% CO
 - Up to 99% CH20/HAPs
 - Up to 90% VOCs
- A patented, ergonomic 'easy-grab' Y-Top protects workers from injury by making it easier to maneuver catalysts into position
- ZX-Series uses a patented Y-Top element design with perimeter gasket sealing.
 The Y-Top virtually eliminates blow-by and leakage
- Customizable for all inlet and outlet configurations
- Can be arranged with full or half-panel catalysts
- Same-day shipping available
- Free washes for life
- Two year warranty



The ZX-Series' slide-in feature, which does not rely on moving parts or a complex loading apparatus, allows users to safely and easily lift/install/remove catalysts. In addition, the housing's customizable configuration makes it possible for catalysts to be inserted vertically or horizontally.

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