



MN/MBA CATALYST HOUSINGS



EMISSION CONTROL.

Breathe Easy With MN/MBA.

Built for easy installation and low-cost, low-maintenance performance, MiraNOx MN and MBA catalytic converter housings are used anywhere non-selective catalyst reduction is required: gas compression, power generation, water and liquids pumping, irrigation systems, chillers and more. The 10-year MiraNOx track record is your assurance of continuous, cost-effective compliance.



▶▶The MN/MBA Hallmark
High-Strength, High-Durability 304 SS Construction

CONTINUOUS COMPLIANCE.™

It's been a MIRATECH trademark for years. The major benefit? We deliver the most cost-effective means to avoid non-compliance fines. For many customers, MiraNOx MN and MBA Catalyst Housings are the answer in reliable, cost-effective emissions control.

MIRATECH developed these top-quality catalyst housings specifically for stationary natural gas, LPG and diesel engines in the 50 to 400 hp range. We designed them with one goal in mind: maximum performance at minimum cost. Hundreds of satisfied customers agree: MiraNOx delivers.

CONTACT MIRATECH.

Call MIRATECH and find out more about MiraNOx Catalyst Housings, as well as our full line of advanced, cost-effective emission control solutions. Better yet, simply 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

MN/MBA

CATALYST HOUSINGS



» Standard MN
No-Maintenance



» MBA (Mid-Body Access)
Easy Access For Catalyst Maintenance



» 2 BASIC DESIGN OPTIONS

» 3 CONNECTION OPTIONS



» Flanged



» Threaded



» Unthreaded

MAXIMUM VALUE. MINIMUM COST.

MiraNOx housings come in two basic designs: the standard, no-maintenance MN configuration and the newer Mid-Body Access (MBA), which allows easy catalyst element maintenance and replacement.

Both designs give you three connection-options to choose from: **threaded, flanged or unthreaded pipe ends.**

Each unit features durable, non-corroding 304 stainless steel construction – making the MN/MBA well suited to extreme temperatures and harsh operating conditions.

MN/MBA housings are available in seven sizes for engines in the 50 – 400 hp range, with your choice of 3-Way, Oxidation or Diesel Oxidation catalyst elements. All MIRATECH catalyst elements deliver higher mechanical strength and thermal durability, thanks to our patented banded and pinned monolith construction. And chemisorption catalyst impregnation yields high-action, poison-resistant catalysts at minimum cost.

MN/MBA housings also feature conical transitions and perforated diffusion panels for even exhaust flow, lower back-pressure, and full use of the catalyst you've paid for. Threaded couplings allow fast, easy instrumentation hookups: twin 1/4" NPT half-couplings for pre-catalyst thermocouples and an 18mm half-coupling for a post-catalyst oxygen sensor.

EMISSIONS SOLUTIONS: CONTACT MIRATECH.

For more than a decade, MIRATECH has been the acknowledged leader in helping industries handle emissions standards. We do it with advanced engineering, vast real-world experience, and ceaseless innovation, always looking for faster, easier, more cost-effective ways to get the job done.

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

WHY MN/MBA?

**Easy, Cost-Effective
Continuous Compliance.**

- » Better Value
- » Less Maintenance
- » Lower Operating Cost

APPLICATIONS

- » Rich-Burn Or Lean-Burn Engines
- » Natural Gas, LPG Or Diesel
- » 50 - 400 HP
 - Gas Compression
 - Power Generation
 - Air Compression
 - Liquid/Petroleum Pumping
 - Chillers
- » Non-Selective Catalytic Reduction
 - 3-Way, Oxidation, HAPS Or Diesel Oxidation Catalysts

FEATURES & BENEFITS

- » Two Basic Designs To Choose From
 - 1 Standard No-Maintenance MN
 - 2 MBA: Mid-Body Access
 - Easy Access For Catalyst Maintenance & Replacement
- » High Strength, High Durability
 - 304 SS Metal Outer Shell
 - Patented Banded & Pinned Metal Monolith Catalyst Elements (U.S. Pat. #4,471,082 & #5,055,275)
- » High-Action, Poison-Resistant Catalyst
 - Chemisorption Catalyst Impregnation
- » Three Connection Options: Threaded, Flanged Or Unthreaded Pipe
- » Fast, Easy Instrumentation Hookups
 - Two 1/4" NPT Half-Couplings For Pre-Catalyst Thermocouples
 - 18mm Half-Coupling For Post Catalyst Oxygen Sensor
- » Even Flow, Low Back-Pressure, Full Catalyst Use
 - Conical Transition; Perforated Plate Diffusers

