



**MED MODEL NSCR
SILENCER/CATALYST**



**Mueller
Environmental
Designs, Inc.**



**Air Filtration
Evaporative Cooling
Noise Control
Mist Elimination
Turnkey Projects**



MED Model NSCR Silencer/Catalyst

Mueller Environmental Designs Inc. is pleased to introduce a new product to the stationary “rich burn” engine market, **the MED Model NSCR Silencer/Catalyst.**

MED’s goal is to assist owner/operators of stationary “rich burn” reciprocating engines in reducing NOx, CO, VOC, and Formaldehyde exhaust emissions in order to meet local, state, and federal permitting regulations along with implementation of RICE MACT requirements.

Mueller Environmental Designs can address these issues with the use of the MED Model NSCR Silencer/Catalyst three way non-selective catalytic reduction technology.

APPLICATION

Mueller Environmental Designs three way non-selective catalytic reduction technology employs state of the art monolithic (metal substrate) catalyst elements contained in a site specific designed system. This system includes catalyst, backfire protection, silencer and if required engine controls, foundations or foundation modification, structural steel, platforms, access ladders, and exhaust stacks with sampling ports (complies with CFR49).

Mueller Environmental Designs offers a “one phone call” solution in order to meet all design issues in the implementation of stationary engine exhaust emission control projects. The Mueller “one phone call” solution eliminates the frustrations associated with multiple contractors on projects such as these. Solutions and problems, whether routine or technical, are resolved with a single call to 800-662-0285.

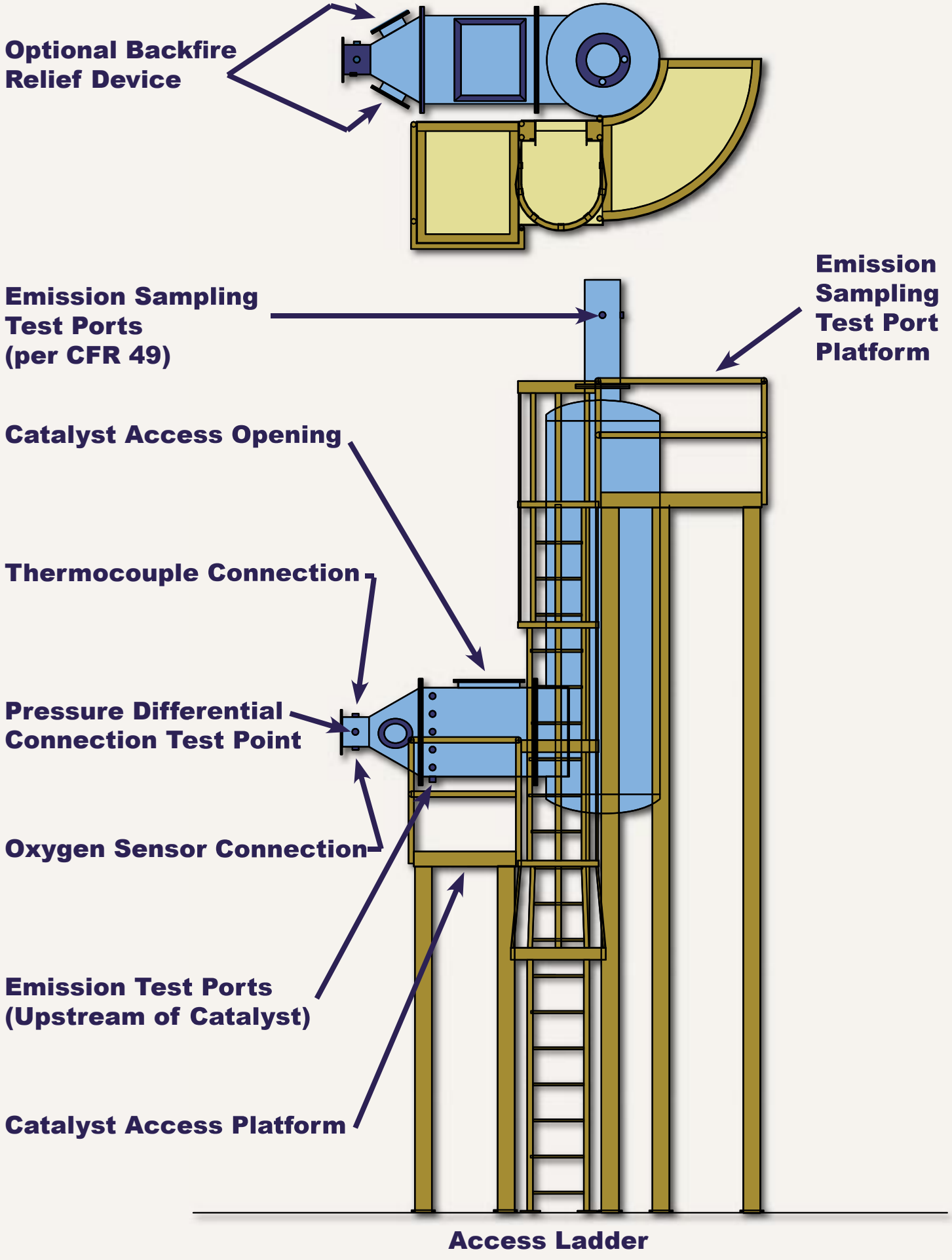
CONSTRUCTION

The MED Model NSCR Silencer/Catalyst has a design life of 20 years. Construction is robust, coupled with back fire protection system ensuring un-interrupted operations due to engine backfires or other upset conditions. Additionally, Mueller employs multiple catalyst elements for ease of handling in the event catalyst replacement is necessary.

The MED Model NSCR Silencer/Catalyst reduces engine exhaust noise to exacting standards, whether 50 dBA at 50’ or 2500’. Mueller’s field proven designs meet 67 dBA at 3’ and 90° from the outlet stack.

WARRANTY

Mueller Environmental Designs warranties against poor workmanship, material defects and failure due to improper equipment selection for a period of 18 months after shipment or 12 months after placed in service.



Catalyst Elements

MED's metallic monolith honeycomb catalyst replaces traditional NSCR and CO/HC catalysts. Our Model (NSCR) catalyst has been demonstrated to outperform competing technologies and catalyst in emission reduction efficiency with less pressure drop at a lower cost.

MED provides rapid manufacturing schedules and quick shipments for any NSCR application.

Heavy-duty stainless steel module design:

- ◆ High temperature nickel alloy substrate.
- ◆ Durable, longest-lasting, highest performance catalyst available.
- ◆ Catalyst module cell densities up to 700 cpsi.

Discrete cell substrate construction:

- ◆ Ensures maximum durability and extreme module mechanical integrity.
- ◆ Yields lowest possible pressure drop for the most surface area.
- ◆ Prevents plugging of inter-catalyst channels and substrate nesting, which cause exhaust bypass and precious metal loss.

Flexibility for meeting future regulations:

- ◆ Individually mounted module design, allows for addition and replacement of catalyst modules to existing installations.
- ◆ Backed with a three-year warranty and has an expected life of greater than seven years.
- ◆ Broad operating temperature range (350 to 1200 °F) allows for simple and seamless integration of CO catalyst systems into all applications.

MED is a leading, full-service provider of catalysts and catalytic solutions with resources encompassing every aspect required to satisfy customer needs, from analyzing process conditions to delivering the final product.

MED delivers distinctly-focused, customer-specific engineered solutions within budget and on schedule.



MED's Metallic Monolith Honeycomb Catalyst

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