

Q-NOX™ CATALYSTS/SILENCERS FOR INDUSTRIAL RICH-BURN SI ENGINES



TECHNOLOGY

Q-NOX™ 3-way (NSCR) catalysts utilize a precious metal catalyst bonded to a monolithic, flow-through catalyst core. The cores are made of corrugated, high temperature resistant stainless steel foil packaged into a rugged stainless steel container. Nett's Q-NOX™ series products either in stand-alone or silencer configurations are specifically designed to meet the requirements of the EPA's RICE NESHAP regulations. Applications include 2 or 4-stroke rich-burn spark ignited (SI) engines used in power generation, gas compression, co-generation, pumping stations and irrigation facilities.

Q-NOX™ PERFORMANCE

The Q-NOX™ catalytic converter reduces the concentrations of all three major Hazardous Air Pollutants (HAPs) criteria – nitrogen oxides (NO_x), carbon monoxide (CO) and hydrocarbons (HC). The NO_x and CO reductions are generally greater than 90%, with HC reduced by up to 80% when using an air/fuel ratio controller, such as Nett's NEES™ Series, to maintain the stoichiometric ratio between quantities of air and fuel burned in the engine.

The Q-NOX™ Silencer series is available in industry-standard sound-attenuation grades to meet state or federal regulations. Models are available in heavy-gauge mild, aluminized and stainless steel materials.

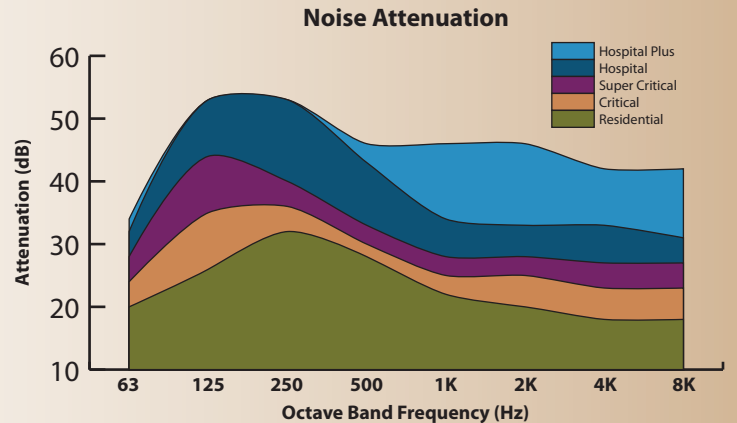
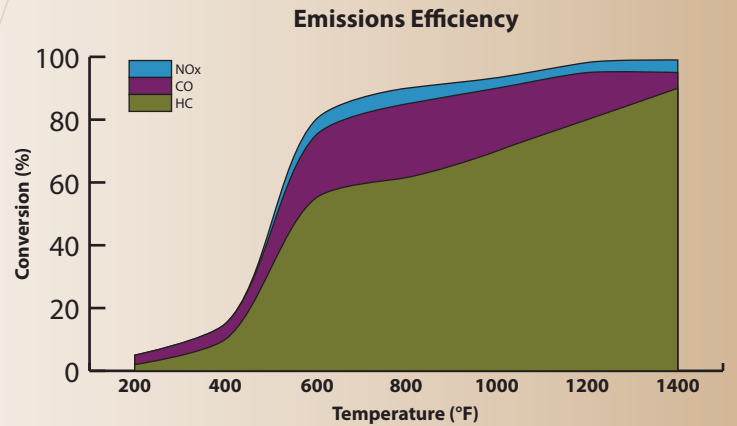
Catalyst Monitor System Available:

As per RICE NESHAP amendment (40 CFR Part 63, Subpart ZZZZ), the catalyst monitor displays and records differential backpressure and exhaust gas temperature across the catalyst.

PRODUCT FEATURES

- Serviceable design
- Exhaust leak-free design
- Upgradable to future, more stringent regulations

- Floating flange connector design for easy retrofitting
- Lightweight and durable substrate housing
- 235° degree accessibility



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