

Q-DOC™ CATALYSTS/SILENCERS FOR INDUSTRIAL LEAN-BURN CI/SI ENGINES



TECHNOLOGY

Q-DOC™ oxidation 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-DOC™ series products either in stand-alone or silencer configurations are specifically designed to meet the requirements of the EPA's RICE NESHP regulations. Applications include 2 or 4-stroke lean-burn compression ignition (CI) and spark ignited (SI) engines used in power generation, gas compression, co-generation, pumping stations and irrigation facilities.

Q-DOC™ PERFORMANCE

The Q-DOC™ oxidation catalyst is designed to promote the oxidation of hazardous air pollutants (HAPs) such as carbon monoxide (CO) and hydrocarbons (HC). CO and non-methane hydrocarbons (NMHC) conversion levels of 90 to 99% are typical. In diesel engine applications, Q-DOC™ also reduces particulate matter (PM) emissions by up to 40% for 2-stroke engines and up to 30% for 4-stroke.

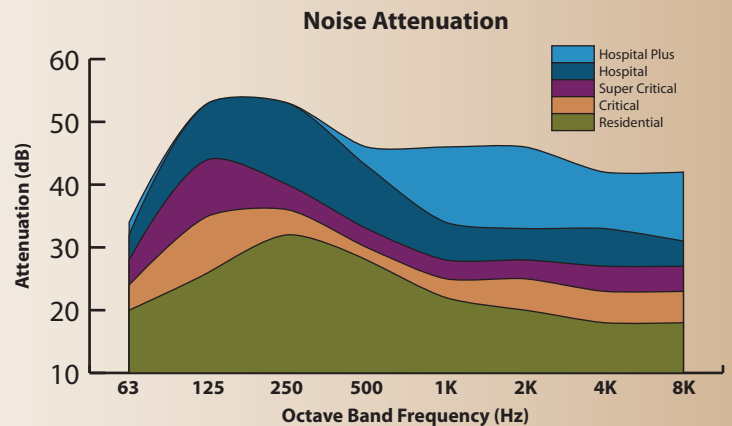
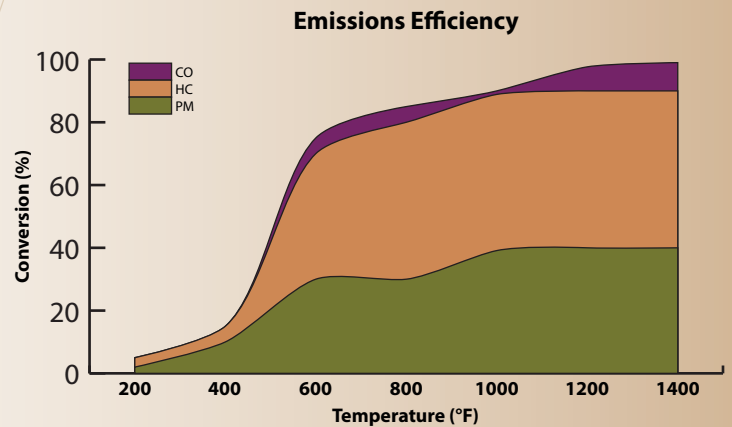
The Q-DOC Silencer series is available in industry-standard sound-attenuation grades to meet state or federal regulations. Models available in heavy-gauge mild, aluminized and stainless steel materials.

Catalyst Monitor System Available:

The RICE NESHP amendment (40 CFR Part 63, Subpart ZZZZ) requires a catalyst monitor to display and record 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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...the emission control authority.