Your diesel engine emission control just got easier!

Diesel engines are a reliable and efficient power source; however, particulate matter (PM/soot) and exhaust emissions remain a major contributor to environmental and health concerns.

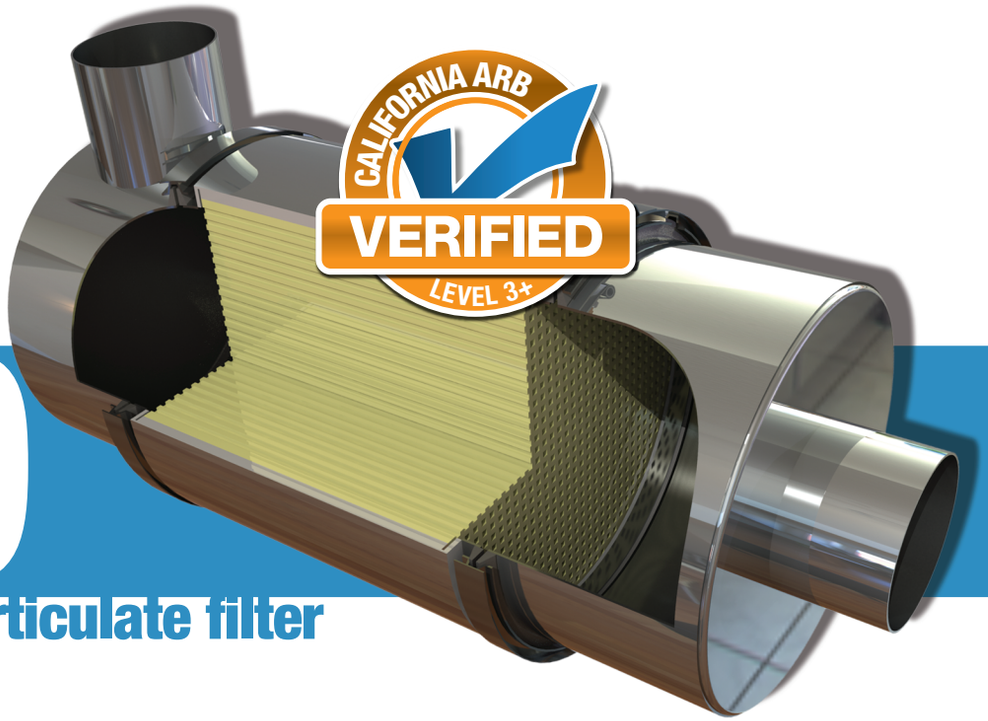
The GreenTRAP™ 300 is an advanced passive Diesel Particulate Filter (DPF) system designed for stationary diesel engines, delivering reliable and high-efficiency particulate emissions control.The system utilizes cordierite or silicon carbide wall-flow filter technology to capture particulate matter (soot), while a proprietary catalyst coating on the filter walls lowers soot oxidation temperature, enabling passive regeneration during normal engine operation.Under favorable conditions, accumulated soot is continuously oxidized within the filter, ensuring stable performance and reduced maintenance.

The system delivers up to 99% reduction in particulate matter (PM), up to 98% reduction in carbon monoxide (CO), and up to 95% reduction in hydrocarbons (HC), including associated volatile organic compounds (VOCs) and hazardous air pollutants (HAPs).*
Optimized catalyst formulation and real-world operating conditions allow performance to exceed standardized verification thresholds under favorable applications.

The system is verified by the California Air Resources Board (ARB) for Tier 1, Tier 2, and Tier 3 diesel engines ≥50 hp (37 kW), including engines with or without turbochargers, without Exhaust Gas Recirculation (EGR), and both mechanically and electronically controlled systems.

The system is also verified for Tier 4i diesel engines across a broad power range, including 50-75 hp (37-56 kW) and applications exceeding 750 hp, as well as Tier 4 Alt-certified off-road engines used in stationary applications, where NO_x reduction is achieved through engine design or complementary technologies.

Customized to fit specific applications, the GreenTRAP™ 300 provides full control over emissions while improving operational efficiency, reducing maintenance, and extending equipment life.



GreenTRAP™ 300
passive diesel particulate filter

scan and learn

Sold and supported globally, Nett Technologies Inc., develops and manufactures proprietary catalytic solutions that use the latest in diesel oxidation catalyst (DOC), diesel particulate filter (DPF), selective catalytic reduction (SCR), engine electronics, stationary engine silencer, exhaust system and exhaust gas dilution technologies. Our reliable and real-world emission solutions will extend the usable life of existing equipment while allowing you to avoid costly future replacements. We manufacture emission control solutions that are California Air Resources Board (ARB) and the U.S. Environmental Protection Agency (EPA) verified. As the emission control authority, we are here to help you navigate through the hassles and complexities of emission control compliance.

NETT® TECHNOLOGIES INC.
...the emission control authority.

www.nettinc.com

GreenTRAP™ 300 PRODUCT OVERVIEW

How does the GreenTRAP™ 300 system work?

Exhaust gases pass through the wall-flow DPF, where particulate matter (soot) is captured within the porous filter structure.

The filter consists of parallel channels that are alternately plugged, forcing exhaust gases through porous walls that trap particles while allowing clean gases to pass through.

A proprietary catalyst coating on the filter surface lowers soot oxidation temperature, enabling passive regeneration during normal engine operation.

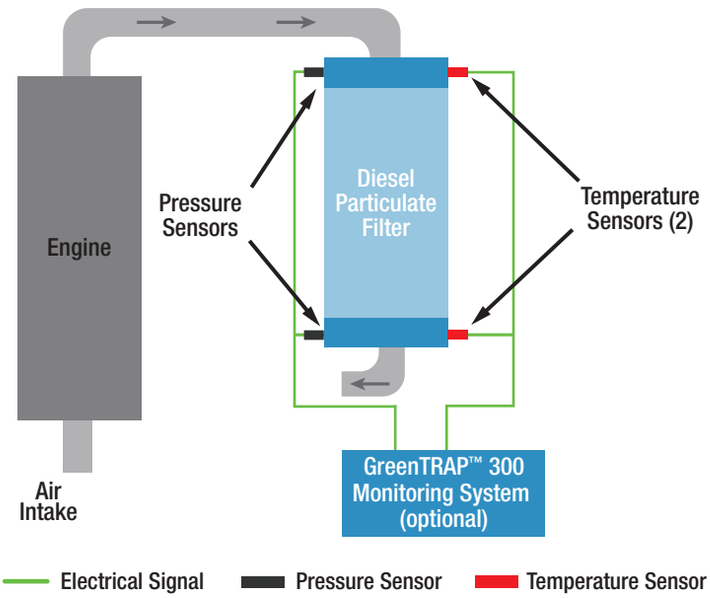
For effective regeneration, exhaust temperatures of approximately 275–300°C (527-572°F) must be maintained for 25-30% of operating time, particularly when using ultra-low sulfur diesel (ULSD) fuel.

The system supports various fuel types, including fuels with sulfur content up to 500 ppm; however, higher exhaust temperatures are required for proper regeneration.

Under favorable operating conditions, the system achieves high conversion efficiency while maintaining stable backpressure and reliable performance.

An optional monitoring system, including two temperature sensors and one differential pressure sensor, provides real-time tracking of DPF backpressure and inlet/outlet temperatures, ensuring reliable operation and early detection of system issues.

GreenTRAP™ 300 System Schematic Drawing

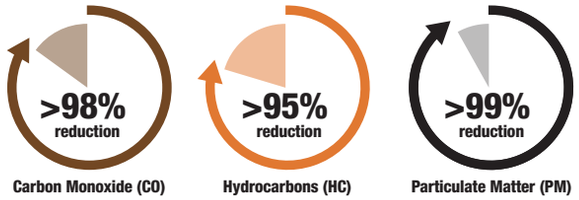


PRODUCT FEATURES

- Passive DPF system (self-regenerating design)
- Designed for stationary diesel applications
  (power generation, gas compression, co-generation, pumping, irrigation)
- Cordierite or silicon carbide wall-flow filter technology
- Proprietary catalyst coating for low-temperature regeneration
- Compact design with thermal insulation
- Optional computerized controller with alarms and data logging
- Real-time monitoring with temperature and pressure sensors
- Maintenance intervals of 2000–6000 hours
- Stainless steel housing with custom-fit configurations
- Optional bypass valve for operational flexibility

EMISSIONS REDUCTION PERFORMANCE

Typical GreenTRAP™ 300 Emissions Reduction Performance *



*Actual emission reduction performance depends on catalyst formulation, engine calibration, exhaust temperature, and operating conditions. With optimized system design and proper application, catalyst technologies are capable of achieving enhanced conversion efficiencies in real-world environments.

NETT® TECHNOLOGIES INC.

...the emission control authority.

Contact Nett Technologies Inc. today at:

Phone: (905) 672-5453 **Toll-Free:** 1(800) 361-6388

or visit us online at **www.nettinc.com**

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