



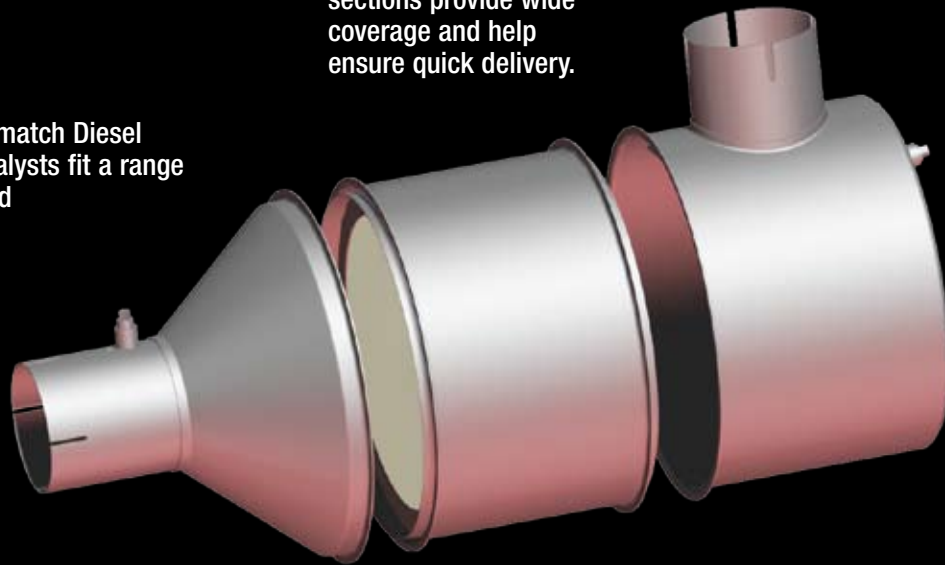
**Emission
Solutions**

RETROFIT SOLUTION. FOR ON-ROAD APPLICATIONS.

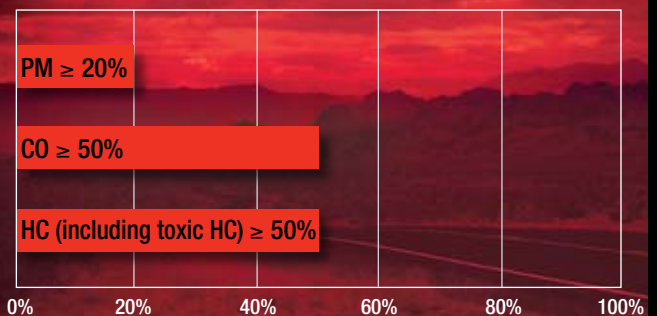
■ Our mix-and-match Diesel Oxidation Catalysts fit a range of engines and vehicles.

■ Four standard center sections provide wide coverage and help ensure quick delivery.

■ A total of 22 different inlets and outlets provide flexibility.



The Cummins Emission Solutions DOC reduces:*



* Actual reductions depend on engine emissions and duty cycle. Verification credits may vary.

Our Experience is Your Solution.

Cummins Emission Solutions (CES) is a leader in catalytic exhaust products. With over 2.0 million units in service, we deliver products that work. Our legacy of technology, our 30 years experience in exhaust engineering and manufacturing, and our partnerships with the leading component suppliers provide a high level of dependability and performance.

Our mix-and-match Diesel Oxidation Catalysts (DOC) are available in 4 standard diameters along with 22 different end cones. This flexibility enables fast turnaround for customers needing aftertreatment solutions.

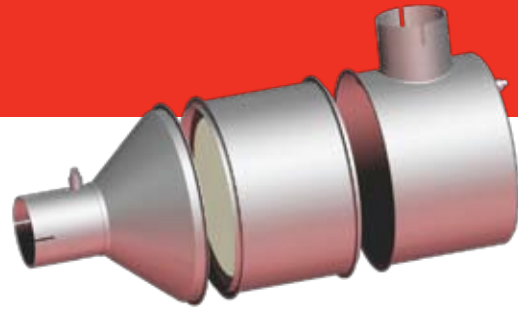
Engineered for Performance.

The Cummins Emission Solutions diesel oxidation catalyst utilizes Johnson Matthey's specially formulated platinum-based catalyst as a component of its EPA-verified product. The DOC may either replace or be added to the existing vehicle muffler. Versatile and flexible, the DOC:

- Installs easily and is engineered for retrofit with EPA-verified technology
- Uses Johnson Matthey's specially formulated platinum-based catalyst
- Needs no maintenance
- Requires no monitoring
- Can be used with low sulfur (<500ppm) or ultra-low sulfur (<15ppm) diesel fuels
- Covers a range of engines and vehicles
- Eligible for local, state and federal funding. Reductions are claimable within State Implementation Plans (SIPs)

Engines around the world are driving cleaner with the Cummins Emission Solutions DOC

- | | |
|----------------------------|---|
| ■ Urban Buses | More than 32,000 in Asia, Europe and the U.S. |
| ■ Midrange & Pickup Trucks | More than 1 million |
| ■ Heavy-duty Vehicles | More than 8,000 in Mexico |
| ■ Medium-duty Diesels | Approximately 20,000 in Hong Kong |



Engineered for retrofit to meet tough clean air standards, the DOC breathes new life into diesel engine exhaust systems with EPA-verified technology and proven on-the-road success.

Reducing emissions from diesel exhaust doesn't have to be complicated. Cummins Emission Solutions makes it simple with a Diesel Oxidation Catalyst (DOC) designed to retrofit existing vehicles.

DOC Size Recommendations for On-Road Applications.

Catalyst Size (in.)	Typical HP Range
7 x 6	75-150
8 x 6	150-200
9.5 x 6	200-275
10.5 x 6	275-350
Dual 9.5 x 6	350-470
Dual 10.5 x 6	470-550

Note: All substrates are 400 CPSI ceramic.

Connect to a World of Diesel Expertise.

Cummins Emission Solutions provides technologies to protect your engine and keep it running clean and strong. We are committed to developing superior products that meet or surpass emission regulations. Supported by the Cummins North American Distributor Network and Cummins worldwide, our systems bring real value to you—from installation through the life of the product.

Choose the emission-reduction leader backed by the Cummins legacy of technology. Choose Cummins Emission Solutions.



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Bulletin 4973758 Printed in U.S.A. 04/07
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Cummins Emission Solutions products are covered by performance and emissions warranties that meet or exceed both EPA and CARB warranty requirements for retrofit verification coverage.