

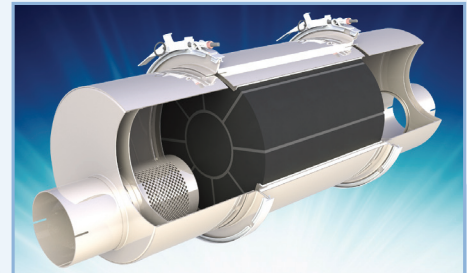


## RETROFIT EMISSION SOLUTIONS FROM THE COMPLIANCE SPECIALISTS

Purifilter Systems Offer a Range of Solutions for EPA and CARB Compliance

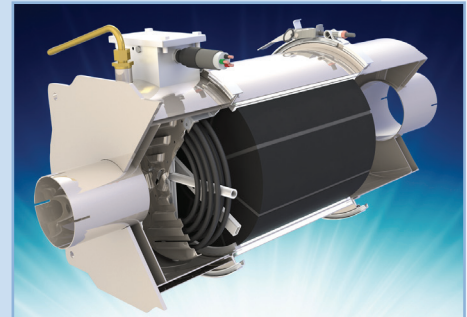
### Purifilter: Self-regenerating Filtration

Purifilter™ was the first passively regenerating diesel particulate filter (DPF) to attain an industry-leading 90% particulate emissions reduction value from the US EPA<sup>1</sup>. Purifilter employs a silicon carbide substrate and precious metal catalyst coating – providing superior performance and durability compared to traditional DPFs. Under common operating conditions, Purifilters automatically oxidize accumulated particulates. Purifilter is CARB-verified as a Level 3+ reduction technology – reducing particulate emissions by at least 85%.



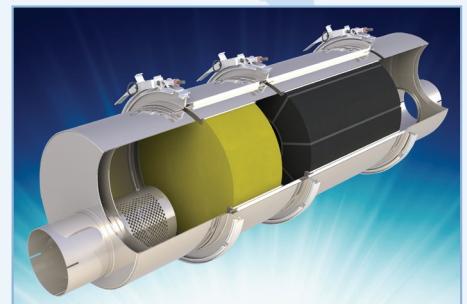
### Purifilter Plus: Hybrid Filter Regeneration

Purifilter™ Plus combines the passive regeneration of Purifilter with electrical heating elements that are used to periodically clean the DPF – making it an outstanding choice for both urban and highway drive cycle applications. Verified by CARB as a Level 3+ reduction technology, Purifilter Plus provides fleet managers the ability to readily maintain optimum vehicle performance and uptime with maximized intervals between cleanings. This system is ideal for centrally-located fleets and fleets where trucks have access to off-board regeneration control panels.



### Purifilter EGR / OR: Enhanced Filter Regeneration

The Purifilter™ EGR leverages CDTi's advanced MPC<sup>2</sup> precious metal catalyst technology on a diesel oxidation catalyst (DOC) upstream of an advanced base metal-coated DPF. This combination provides low back pressure, reduced cleaning intervals, and more than 85% PM reduction. The robust design dramatically reduces external skin temperatures and installation footprint while eliminating the need for connections to the ECM and fuel sources. The Purifilter EGR is available in a broad range of filter sizes, ensuring coverage of all common engine platforms and minimal effect on engine performance. Purifilter EGR is also available in an Off Road (OR) version.



<sup>1</sup> Please refer to EPA website at: <http://epa.gov/cleandiesel/verification/verif-list.htm>

<sup>2</sup> MPC is a registered trademark and proprietary product of CDTi

## PURIFILTER SYSTEM SPECIFICATIONS

Below are general specifications for CDTi systems currently EPA/CARB-verified or pending review. We are constantly improving our products and expanding application and verification ranges. Please contact us or visit our website at [www.cdti.com](http://www.cdti.com) for the most current product information.

	Purifilter	Purifilter Plus	Purifilter EGR	Purifilter OR
On / Off Road	On Road	On Road	On Road	Off Road
Description	Self-regenerating DPF <sup>1</sup> (passive)	Self-regenerating DPF <sup>1</sup> with active electric regeneration	Self-regenerating DOC & DPF <sup>1</sup> (passive)	Self-regenerating DOC & DPF <sup>1</sup> (passive)
Application	<ul style="list-style-type: none"> <li>Majority highway driving</li> <li>Minimal stop / start operation</li> <li>Moderate to high load activity</li> </ul>	<ul style="list-style-type: none"> <li>Urban and highway driving<sup>2</sup></li> <li>Tolerates stop / start operation</li> <li>Plug-in interval based on operation</li> </ul>	<ul style="list-style-type: none"> <li>Majority highway driving</li> <li>Minimum stop / start operation</li> <li>Moderate to high load activity</li> </ul>	<ul style="list-style-type: none"> <li>Majority off-highway driving</li> <li>Minimum stop / start operation</li> <li>Moderate to high load activity</li> </ul>
Verifications	CARB & EPA	CARB & EPA	CARB & EPA	EPA
Verified PM Reduction Levels	CARB: >85% PM (Level 3+) EPA: 90% PM	CARB: >85% PM (Level 3+) EPA: 90% PM	CARB: >85% PM (Level 3+) EPA: 90% PM	EPA: 90% PM
Verified Engines	1993 to 2006 non-EGR engines <sup>3</sup> with <0.1g/hp-hr PM	1993 to 2010 EGR & non-EGR engines <sup>3</sup> with <0.1g/hp-hr PM	1994 to 2010 EGR & non-EGR engines <sup>3</sup> not equipped with DPF from OEM	Nonroad, Tier 1, 2 or 3 engines with <0.2g/hp-hr PM
Exhaust Temp. Requirement	>280°C for ≥ 25% of duty cycle	None	>300°C for ≥ 10% of duty cycle	>300°C for ≥ 10% of duty cycle
Engine Size / Power Range	Up to 16L and 625hp	Up to 16L and 625hp	Up to 16L and 625hp	100hp to 603hp
Eligible for Funding	Yes	Yes	Yes	Yes
Warranty Period (Trucks >26,000 lbs.)	CARB: 5 years or 150,000 miles (whichever comes first), or unlimited mileage for 2 years on trucks with <300,000 miles <sup>4</sup> . EPA: 4 years or 100,000 miles (whichever comes first).			
Fuel Compatibility	ULSD and up to B20 biodiesel	ULSD and up to B20 biodiesel	ULSD and up to B20 biodiesel	ULSD and up to B20 biodiesel

## CONTACT THE EMISSIONS COMPLIANCE SPECIALISTS

CDTi

Toll-free customer support: 1-800-753-3212

Web: [www.CDTi.com](http://www.CDTi.com)

Email: [neworders@cdti.com](mailto:neworders@cdti.com)

<sup>1</sup> When specified minimum duty cycle conditions are met.

<sup>2</sup> May not be suitable for all Class 8 trucks with engine displacements greater than 12.5L operating under severe duty cycle load conditions. Please consult with CDTi representative.

<sup>3</sup> Engine family must be listed under applicable CARB verification. Please consult with CDTi representative or online at [www.CARBcompliance.info](http://www.CARBcompliance.info).

<sup>4</sup> Trucks with GVWR's <33,000lbs, please check with CDTi representative for applicable warranty interval.