

Why Choose Cummins RAS?

Aspect	Cummins Retrofit After-treatment System	Local RECD
Manufactured By	Cummins Emissions Solutions part of Cummins Inc.	Various Local non-DG Manufacturers.
Technology	Proven, considering Engine and Statutory requirements, operating efficiency over 90%.	Poor Efficiency.
Experience	20+ Years of After-treatment of exhaust, 10 manufacturing plants, 7 Global R&D Centers, available for various Applications.	1-4 years of Manufacturing without expertise in Engine operations / requirement.
Design	Compact and Multiple units, designed to meet Statutory guidelines. Reliable and Authentic solution which Cummins' customers can rely upon.	Single Closed Unit, Bypass system available which may not be recommended by Statutory Agency. Approvals to be verified/checked by customers.
Health Check	Installation is done only after the engine check is performed to ensure proper fitment, with respect to back pressure, exhaust temperature, and alignment of other operating parameters.	It has been observed that the product exhibits unpredictable performance due to the lack of necessary health checks.
Controls and Safety (Control Panel)	Monitoring of differential pressure to ensure safe operation of the engine.	Details unavailable, which may lead to compromising the engine's operation.
Maintenance and After Support	Easy maintenance.	Complex maintenance.
After Sales	Cummins offers a wide service network across the country, providing 24/7 service support. AMC contracts will be available once the warranty period is completed.	There is no clarity regarding the service support teams.

Trusted Solution by Cummins Emission Solutions

Our Offerings

Cummins Part No	DG Rating	Description	Dimension of RECD Device (mm)*	Weight of the RECD Device (Kg)	Approximate Weight of the RECD Device with Mounting (Kg)**
A075D102	1010	RECD for Diesel generators 1010 KVA	L-2170, H-1162, W-967	540	1096
A075D103	1250	RECD for Diesel generators 1250 KVA	L-2170, H-1162, W-967	540	1096
A075D104	1500	RECD for Diesel generators 1500 KVA	L-2920, IH-1162, W-967	756	1505
A075D105	1800	RECD for Diesel generators 1800 KVA	L-3370, H-1162, W-967	864	1745
A075D106	2000	RECD for Diesel generators 2000 KVA	L-3370, H-1162, W-967	864	1745
A075D107	2500	RECD for Diesel generators 2500 KVA	L-3770, H-1162, W-967	972	1932

*Excludes Site Installation material and site level modifications. **Weight of the device with mounting structure is approximate weight and would change based on site conditions.

The product can be subject to any future changes in above specifications as continuous improvement efforts and compliances.

Note: While RAS are compliant to NGT order O.A 681/2018, the RECDs for DGs greater 800 KW are not certified by any CPCB approved labs since the S&P for RECDs catering to DGs greater than 800 KW is not notified by CPCB.



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Retrofit Aftertreatment System: A Retrofit Emission Control Device

Innovative Solutions For A Sustainable Tomorrow

What is Cummins Retrofit After-treatment System?

Introducing the Cummins Retrofit After-treatment System (RAS), a revolutionary device designed to significantly reduce harmful emissions from diesel generators.

It effectively captures **upto 90% of particulate matter (PM), carbon monoxide (CO), and hydrocarbons (HC)**, ensuring cleaner air and a healthier environment.

Designed and developed by Cummins Emission Solutions, a subsidiary of Cummins India Limited. Cummins Emission solution is a leading Global designer, integrator and distributor of exhaust aftermarket systems. It has successfully developed aftertreatment systems to meet CPCB IV, BS VI and CEV norms.

Why Cummins Retrofit After-treatment System?



Reduces particulate matter, hydrocarbons, and carbon monoxide upto 90%



Proven Cummins technology for better performance



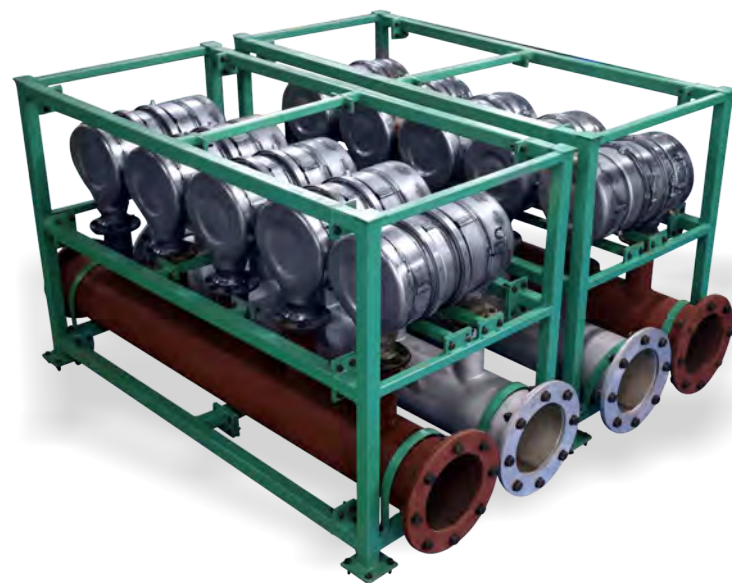
Compact design with easy installation, no changes to existing DG layout



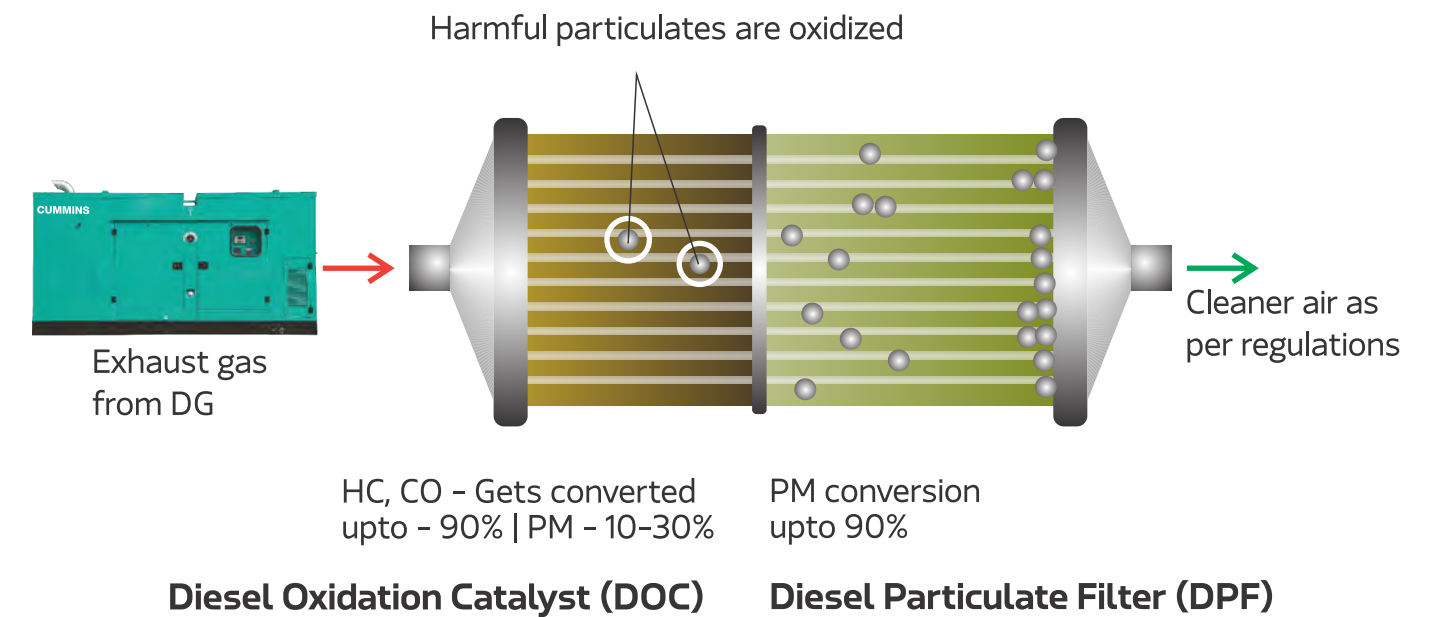
Low initial, operational, and maintenance costs



Safe, easy to handle, and requires minimal maintenance



How Cummins RAS technology works?



- 1 Retro After-treatment System consists of two major elements Diesel Oxidation Catalyst (DOC) and Diesel Particulate Filter (DPF).
- 2 DOC is a flow through catalyst coated with platinum grade metals and DPF is a wall flow substrate.
- 3 Exhaust gases from the generator flow through the RAS. No modification is required on the exhaust.
- 4 DOC converts Hydro-carbons and Carbon monoxide up to 90%.
- 5 After the DOC element, exhaust gases pass through DPF which along with DOC reduces the particulate matter up to 90%.

