

Chakr Shield RECD

Country's 1st type-approved RECD



The Ministry of Environment, Forest and Climate Change recognises that DG sets contribute up to 18% of particulate matter in the ambient air and retrofitting these DG sets with an emission control equipment is a possible way to reduce these emissions.



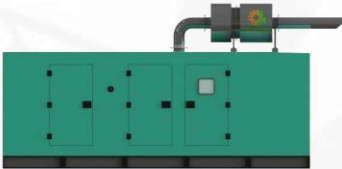
Our Retrofit Emission Control Device (RECD) is built on catalyst based positive filtration technology.



Chakr Shield is India's first type approved RECD which reduces over 70% Particulate Matter, Carbon Monoxide and Hydrocarbons emission from the exhaust of diesel generators without causing any adverse impact on the diesel engine.

Chakr Shield Type Approved Model

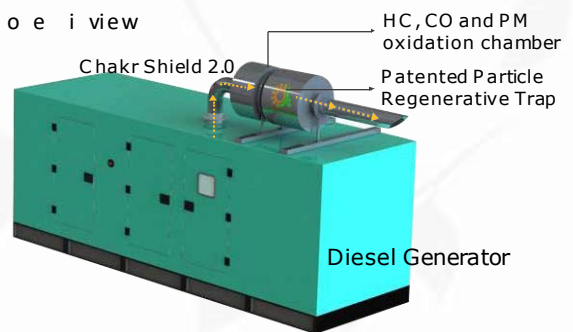
Side view



Top view

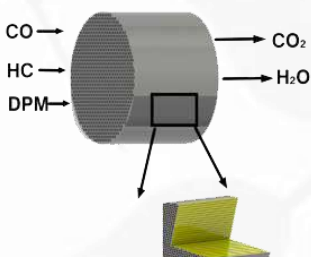


Isometric view



Our Technology - How Chakr Shield Functions

Part 1 : Oxidation Stage



Part 2 : Particulate Regenerative Trap



- Proprietary Catalysts used to enhance robustness and life of the offering
- PRT filter designed for optimum balance between back pressure and emission reduction efficiency

- PM gets trapped in filters and is continuously regenerated with help of the catalyst coating on the wall



Chakr Shield RECD

Reduces Particulate Matter, Carbon Monoxide & Hydrocarbons At Source

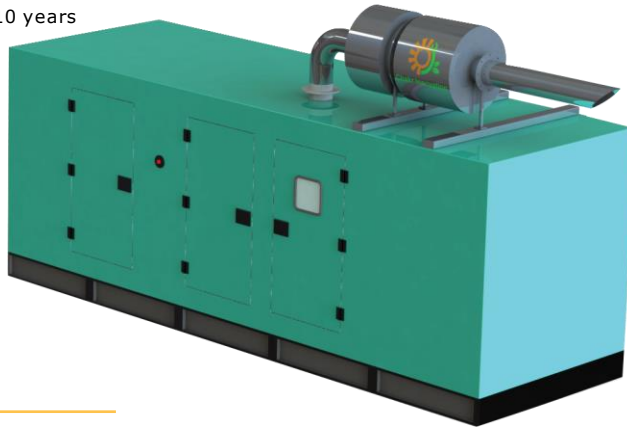
Long Product Life:
Robust product
with life over 10 years

Type Approved by CPCB
accredited lab for PM
reduction over 70%

Minimal energy requirement:
<1% of the capacity used for
operations

Low Maintenance Needs:
No consumables;
Maintenance **once in**
4-6 months

No by-products or
dumping of captured
pollution



No adverse impact on
engine: Back-pressure
under permissible limit

Product Patented in
India with multiple
additional patents filed
in India and US

Client Testimonial

ChakrInnovation team was very responsive & resolved our queries in a very timely & professional manner. We are happy to see young minds from IIT Delhi take initiative to solve the problem of air pollution.



Tata Realty & Infrastructure Limited

The Chakr Shield has shown consistent and gratifying performance without having any negative impact on DG set's efficiency. Glad to see such an able team of innovators working to create a positive change in the society.



Hindustan Petroleum Corporation Limited

Sincere commendation to M/s Chakr Innovation for culling out a product that helps reduce the Particulate Matter from our DG sets. More so for managing the whole process seamlessly while getting Chakr Shield installed at our units.



Let's create together

Trusted by many



To know more, please visit www.chakr.in or write to us at info@chakr.in

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Also available on GeM
Under category "Retro-Fit Emission control
equipment for Diesel Generators"