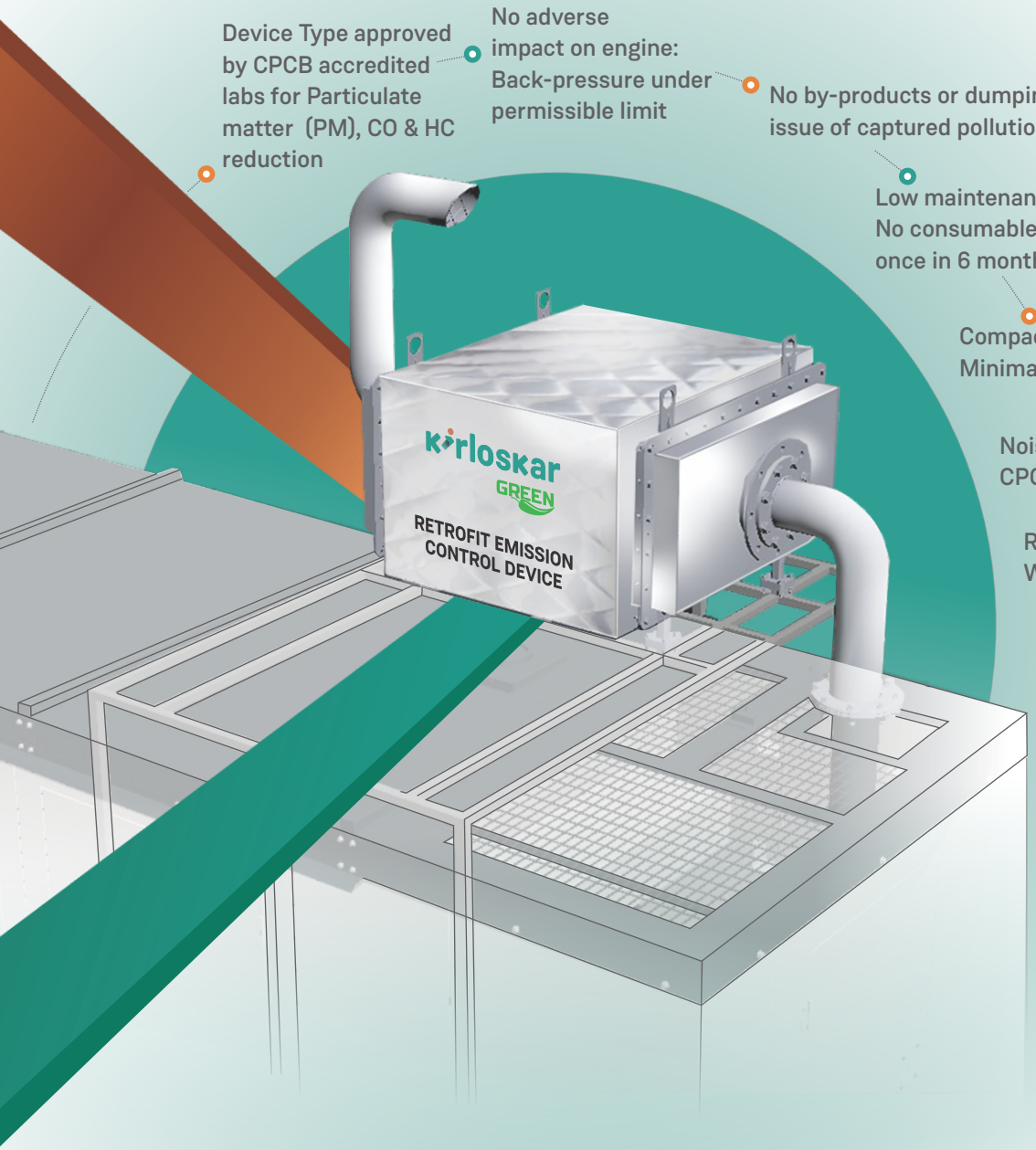
kirloskar care

RECD-
Retrofit Emission Control Device



- Device Type approved by CPCB accredited labs for Particulate matter (PM), CO & HC reduction
- No adverse impact on engine: Back-pressure under permissible limit
- No by-products or dumping issue of captured pollution
- Low maintenance: No consumables; maintenance once in 6 month or 500 hours
- Compact design: Minimal space is required
- Noise levels as per permissible CPCB limits
- Robust product: With over 10 years of life
- Minimal additional energy: < 1% of the capacity used for operations

WARRANTY 1 YEAR FROM THE DATE OF INSTALLATION

What Is RECD ?

Currently the most effective way to remove harmful emissions from the exhaust gas of a DG is by using the RECD kit. A Retrofit Emission Control Device (RECD) is a mechanism installed at the exhaust port of a DG to reduce harmful emissions such as Diesel Particulate Matter (DPM), Carbon Monoxide (CO), and Hydrocarbons (HC). Ministry of Environment, Forest and Climate change has come up with National Clean Air Programme (NCAP) as national strategy document released on 31st Dec 2018 & National Green Tribunal in its Order O.A. No. 681/2018 dated 6th Aug 2019 had mandated the use of RECD for reducing the Air Pollution from DGs.

Why RECD ?

Diesel generators are a major part of almost every residential & commercial infrastructures, used as backup for power generation. DG sets are also contributors to the emission of harmful gases such as PM, CO and HC. Diesel Particulate Matter (DPM), Carbon Monoxide (CO), and Hydrocarbons (HC) are responsible for environmental & physical health damage. Equipping Retrofitting Emission Control Equipment (RECD) for DG sets is an effective and most efficient way to reduce the harmful emissions in the exhaust.

Working Principle of RECD

- RECD works in two stages; one is Oxidation stage & other one is Passive Regenerative Trap.
- RECD is installed near the exhaust and the exhaust gases will act as inlet gases for the RECD. At this inlet High quality of thermal insulation provided to protect the vicinity from high temperature while maintaining the enthalpy of the system.
- When the gases comes out of the exhaust there is >70 % reduction in PM, HC & CO.

CPCB Compliant

Kirloskar RECD complies with the following criteria's mandated by CPCB:

- The Kirloskar RECD meets NGT guidelines for the reduction efficiency for Particulate Matter (PM), Carbon Monoxide (CO) & Hydrocarbons (HC) more than 70%.
- Kirloskar RECD are type approved as per CPCB systems & procedure for emission compliance testing.
- It maintains the secondary emissions under permissible limits & hence it is not hazardous to health.
- No adverse impact on the DG set performance.

Support provided from Kirloskar for RECD installation:

Pre Supply Checks & Support:

- ☑ Pre Supply and Inspections
- ☑ Installation Feasibility Study at Site
- ☑ Health Check of existing Kirloskar make DG

Supply & Installation:

- ☑ Type Approved RECD with complete Solution
- ☑ Support from Kirloskar Care Network
- ☑ Fleet of Trained team for on time completion of job

Testing & Handover:

- ☑ Testing of Genset on all load pattern available at site
- ☑ Educating Customer on usage
- ☑ Onsite Training for Customer team for O&M

CPCB COMPLIANT

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Stamp of Authorised Representative

RECD Leaflet / REV01/04072000/1100+nos