



COMBIFILTER™

Active Diesel Particulate Filter System for Off-Road Applications

CombiFilter™ is an Active Diesel Particulate filter. It is verified by the California Air Resources Board & the Mining Health Safety Administration to Level III (>85% PM reduction) for Off-Road engines used in mining, construction, material handling applications.

- ◆ CombiFilter™ is comprised of an on-board filter assembly and an off-board regeneration station.
- ◆ The filter assembly collects the soot during the course of a typical work shift (8-10 hours).
- ◆ When the shift is over the filter assembly is connected to the regeneration station and automatically cleaned.
- ◆ The process of regeneration is achieved through a combination of electric heat and pumped air.
- ◆ CombiFilter™ can be regenerated in either off-board or on-board.
- ◆ CombiFilter™ is available in two models
 - Model K is an 8-hour regeneration time
 - Model S is a 60 to 90 minute regeneration



Listed are a few of the engines CombiFilter is verified for. Contact CDTi for the full list of engine family names.

*** Case / New Holland * Caterpillar * Cummins * Daewoo * DDC * Deere Power * Deutz * Generac * International * Isuzu * Komatsu * Kubota * Mack * Mazda * Mitsubishi * Navistar International * Perkins ***

On-board regeneration

Intended for a small fleet (1-5 vehicles) with set parking spots and a set work shift. At the end of each shift, the vehicle operator connects the filter assembly to the regeneration station. After the set regeneration time the filter assembly is clean and the vehicle is available for use. The vehicle operator will disconnect from the regeneration station and return the vehicle to use.

Off-board regeneration

Is most appropriate for a large fleet with a well-trained and motivated maintenance department. At the close of each shift, each vehicle has the soot loaded filter assembly removed and exchanged for a clean filter assembly. The maintenance personnel will use a central bank of regeneration stations and maintain the filter assemblies.

CombiFilter™ systems are available in a broad range of sizes —ensuring low backpressure and have no impact on engine performance.