

Clean Air for Generations



Diesel Particulate Filters

Off-Road





VOLVO



**WACKER
NEUSON**

TEREX

LIEBHERR



Off-Road Systems

The right Filter System for your application

PURltech's unique diesel particulate filter systems have proven their performance and reliability in all kind of OFF-ROAD applications for over 10 years. Our Filter products are perfect solutions for environment and health-critical construction projects. The large selection of **PURltech's** emission reduction products enables us to offer the exact device for your application!

DAS-DBS System (Type A and Type B)

Self-Regenerating System without equipment downtime employs both passive and active DPF regeneration technology in one compact unit. This **PURltech** development combines passive regeneration either by catalytic (Type B) or FBC (Type A) combustion with an active regeneration by means of fuel injection.

The combustion of accumulated soot happens automatically during engine operation. Hence the DAS-DBS Filter product is very well suitable for equipment with low exhaust gas temperature profiles.

DAS-DBS System (Type C)

Self-Regenerating System without equipment downtime employs passive DPF regeneration. This economical DPF System disposes of a catalytically active fuel additive which allows entirely passive Filter regeneration.

The DPF muffler replaces the original silencer and is perfectly suitable for machines with a medium duty cycle. It is sulfur tolerant to a very high degree.

DPF1 / DPF2 System

Self-Regenerating System without equipment downtime employs passive DPF regeneration. Filter regeneration takes place automatically starting at 250 deg C due to a catalytic coating of the filter monolith (DPF1). An additional pre-filter upstream of the DPF enables the device to regenerate passively at even lower exhaust gas temperatures (DPF2).

DPF1 & DPF2 were designed by **PURltech** for construction equipment, tractors and stationary engines.

All **PURltech** Systems guarantee:

- No fuel consumption penalty
- Long maintenance intervals – even after multiple Filter services
- Filter housing in stainless steel with high temperature resistance
- Electronic Control System with continuous data-logging functionality of filter functions
- Standard: High-tech exhaust pipe and filter insulation for maximum thermal protection
- Works with Biodiesel (up to B100) and is sulfur tolerant to 350 ppm; DAS-DBS Type A & C tolerate higher sulfur contents
- Suitable for continuous vehicle operation

Our technology is characterized in particular by:

- Worldwide approvals by VERT, TRGS 554, TÜV, CARB, LEZ London, RDW Holland, Denmark, Austria, MSHA etc.
- High soot collection (PM) by more than 99%, additional high reduction of hydrocarbons (HC), carbon monoxide (CO)
- Substantial reductions of nitrous emissions (NO & NO₂) without urea injection
- Tested and approved by major vehicle and engine manufacturers: Daimler, Mercedes Benz, Liebherr, Bell, Hydoma, etc.

For more information please contact:

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