Breathe easy.

Diesel Particulate Filters
and systems for
Exhaust After Treatment

Advantages of the MK-Systems:
The details make the difference

- Independent from exhaust gas temperature due to stand still regeneration
- Ideal for vehicles at low or unsteady exhaust gas temperatures
- Independent from other, external energy sources
  - Diesel fuel for regeneration is taken out of the tank of the vehicle
- Extremely short regeneration periods between 5 and 35 minutes
  - Regeneration is completed in a very short time; short engine shut down times
- Filter soot load between 8 to 10 hours
  - No influence of the filter to the usage of the machine
- Low fuel consumption due to regeneration
  - Between 100 and 300 ml per day and regeneration
- No secondary emissions
  - Oxygen is transported to the filter by additional blower
- From 18 kW (25 hp) to 500 kW (750 hp) engine performance
  - Small filter for 18 kW (25 hp) to 30 kW (40 hp); available in oval design
- Horizontally and vertically mountable
  - Flexibility in integration on the vehicle

Function principle of the MK-System:
Regeneration? Press the button!

The MK-System: Diesel Burner Technology
Autarkic, fast and easy

The MK-System is ideal for vehicles with low exhaust gas temperatures
This is typical for construction machines, municipal vehicles and public transportation
The filter efficiency is about 99% and the regeneration is caused simply on the vehicle; totally autarkic without the necessity of other energy sources
The HUSS-Control is supervising and controlling the process of soot loading and regeneration
Exhaust gas temperatures – a specific criteria for construction machines and municipal vehicles

The records of the Data-Logger are showing the temperatures

Example of a „normal“ working „cold“ machine: in 94% of the time below 250°C

Example of a „hard“ working „cold“ machine: still in 54% of the time below 250°C

Regeneration Cycle of Diesel Particulate Filter with active Diesel Burner Technology

- Soot ignition temperature >550°C
- Temperature [°C]
- Backpressure [mbar]

HUSS typical advantages

- Modular design of the filter
- Simple to maintain and integrate on the vehicle
- Casing made from stainless steel
- Long life time and durability
- Additional silencer module available
- Meeting strict noise regulations
- Filtration with high tech ceramic (SiC)
- 99% soot collection and high reliability
- HUSS-Control with Data-Logger function
- 100% supervision of the process and data recording
- 2 years warranty possible
- By placing a maintenance contract
- More than 20 years of experience
- Know-how directly from the manufacturer

HUSS Umwelttechnik

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