



Umwelttechnik  
Breathe easy.



# 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**

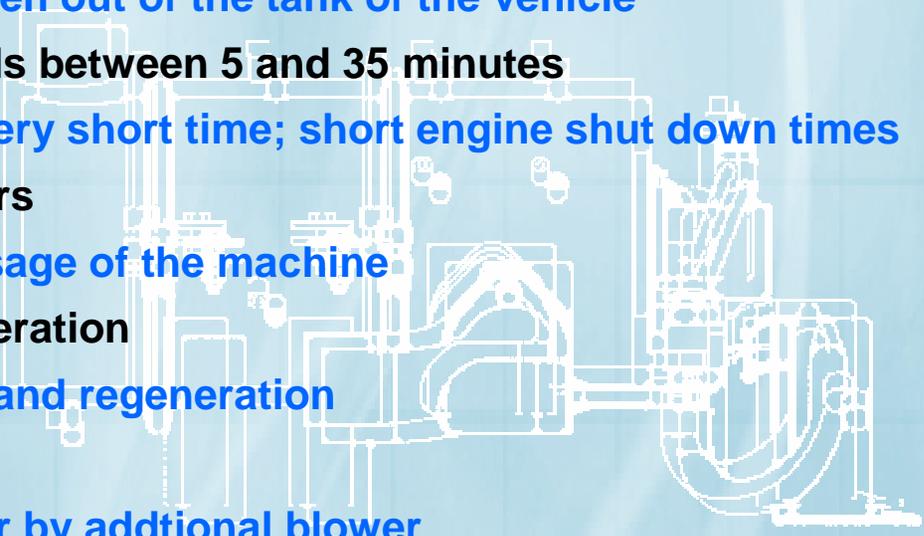
**The HUSS-Control is supervising and controlling the process of soot loading and regeneration**



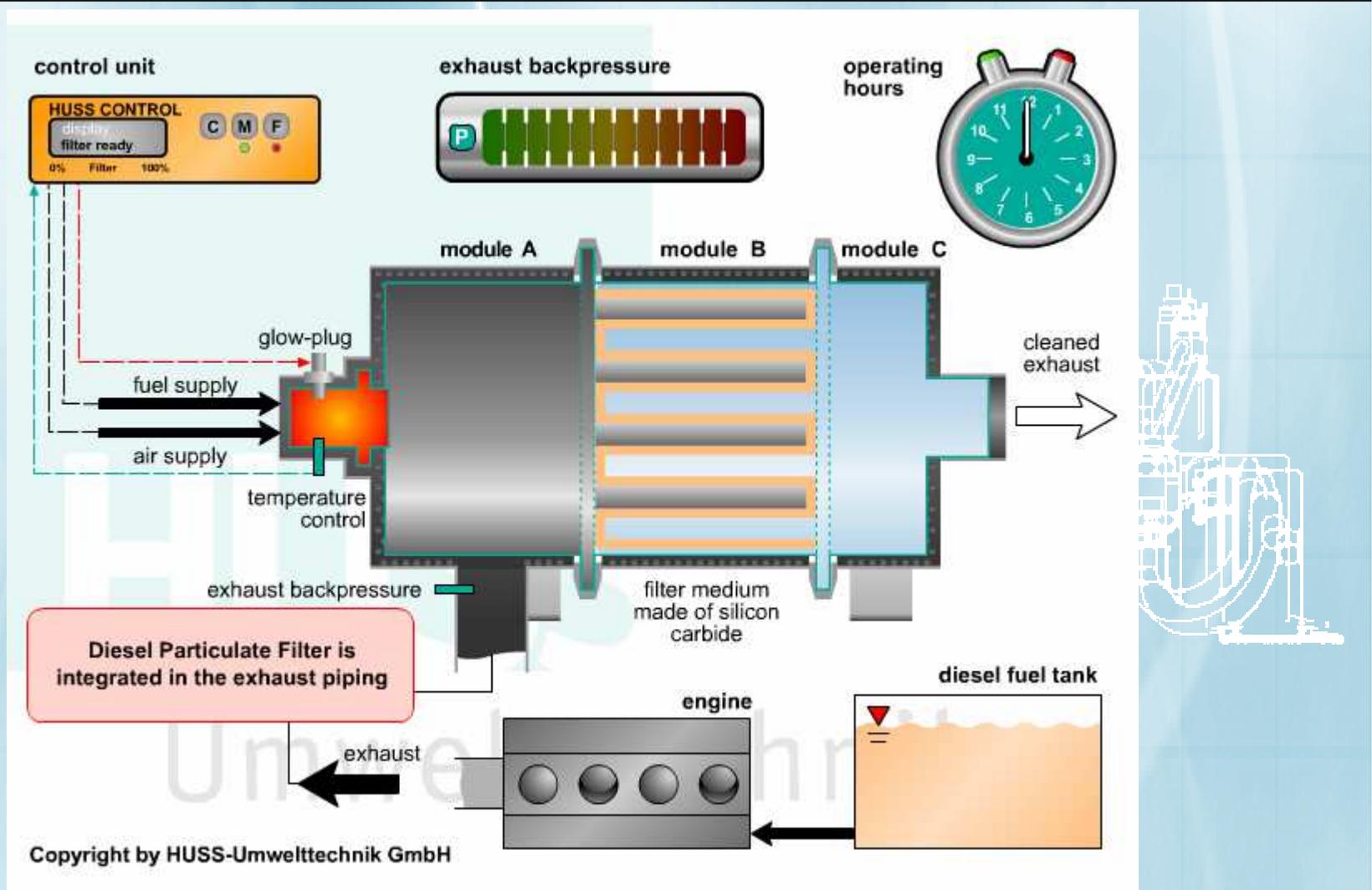
## Advantages of the MK-Systems: The details make the difference



- **Independant from exhaust gas temperature due to stand still regeneration**  
**Ideal for vehicles at low or unsteady exhaust gas temperatures**
- **Independant 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 addtional blower**
- **From 18kW (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 intergration on the vehicle**



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

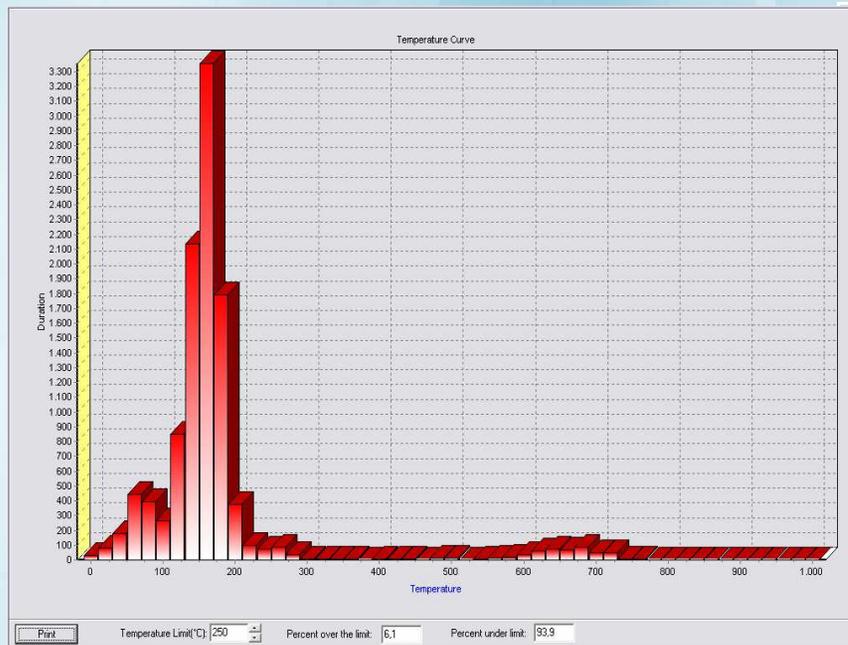


# Exhaust gas temperatures – a specific criteria for construction machines and municipal vehicles

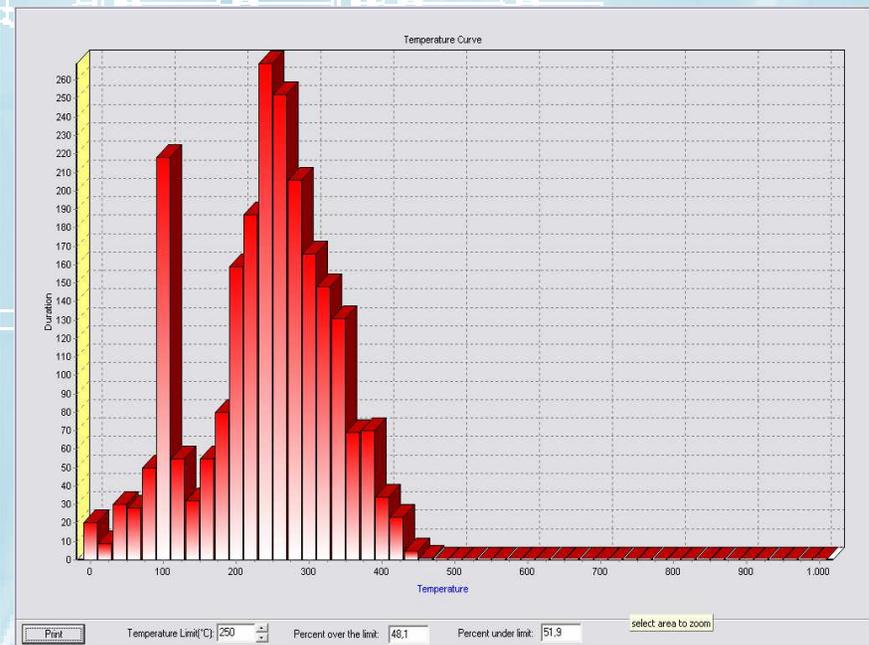


The records of the Data-Logger are showing the temperatures

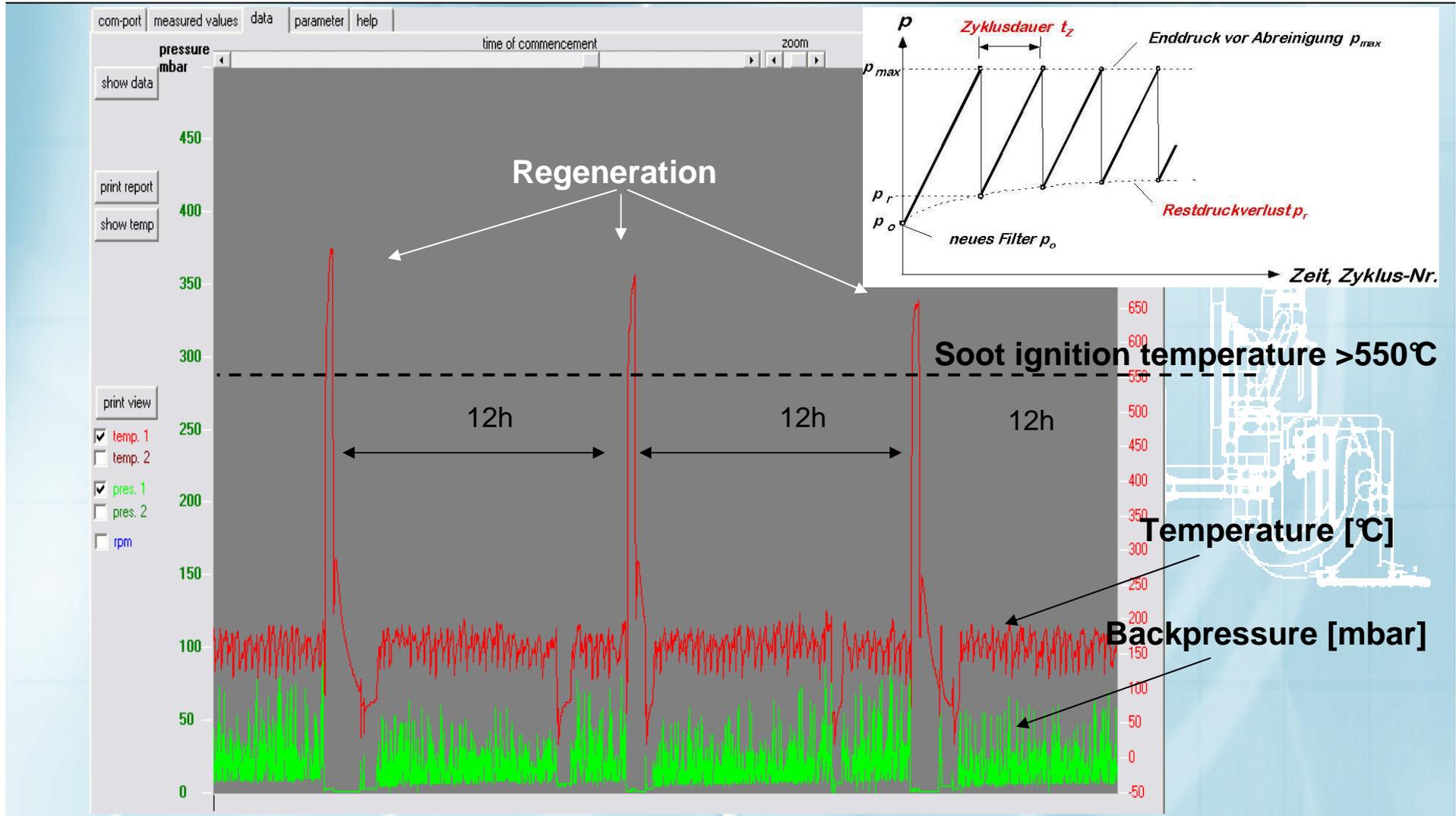
Example of a „normal“ working „cold“ machine:  
in 94% of the time below 250°C



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



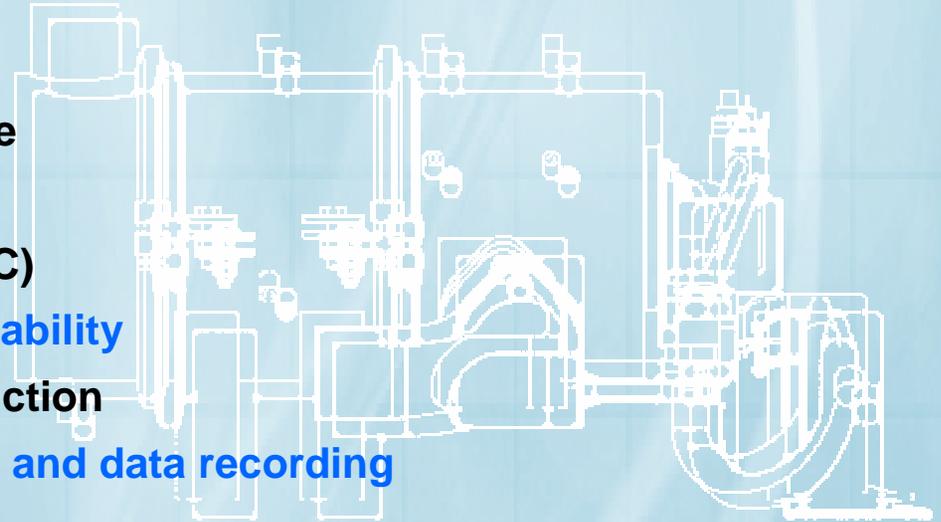
# Regeneration Cycle of Diesel Particulate Filter with active Diesel Burner Technology



# 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 hightech 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





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