

MK-SYSTEM HUSS
Umwelttechnik
Breathe easy.





Umwelttechnik
Breathe easy.



Diesel Particulate Filters
and systems for
Exhaust After Treatment


1

MK-SYSTEM HUSS
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








2

MK-SYSTEM HUSS
Umwelttechnik
Breathe easy.

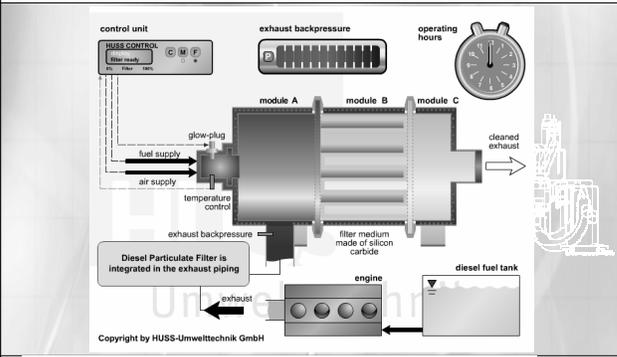
Advantages of the MK-Systems:
The details make the difference

- ▣ 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 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


3

MK-SYSTEM HUSS
Umwelttechnik
Breathe easy.

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



Copyright by HUSS-Umwelttechnik GmbH


4

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

5

Regeneration Cycle of Diesel Particulate Filter with active Diesel Burner Technology

6

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

7

HUSS Umwelttechnik Breathe easy.

German Headquarter
 Nordostpark 74
 DE-90411 Nürnberg

USA / California
 360 E Glen Circle N
 Palm Springs, CA. 92262

Tel.: +49-911-65657-0
 Fax: +49-911-65657-22

Phone: +1.310.359.2360
 Fax: +1.614.352.2360

e-mail: info@huss-umwelt.com
www.huss-umwelt.com

e-mail: lutz@lutzlehmann.com
www.huss-umwelt.com

8