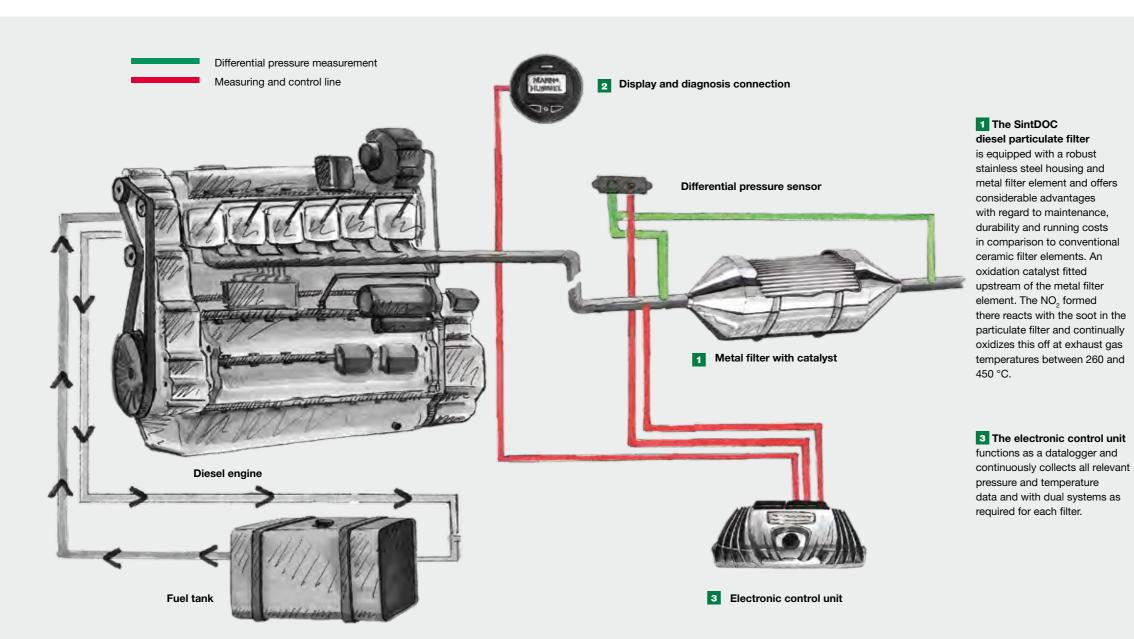
## Continuous and effective - this is how exhaust gas treatment with the SintDOC DPF system works

## All components are perfectly matched and work smoothly together

The SintDOC system regeneration is continuous and fully-automatic. In the oxidation catalyst fitted upstream carbon monoxide (CO) emissions and hydrocarbons (HC) are reduced by more than 90%.	The metal filter then reduces particulate emissions by more than 99% based on the number concentration in the particulate range of 20 to 300 nm which practically eliminates the soot emissions.	The nitrogen dioxide (NO <sub>2</sub> ) formed in the oxidation catalytic converter reacts with the soot in the particulate filter and oxi- dizes this off continually when an exhaust temperature of 260 to 450 °C has been reached. Conditions for use of the	<ul> <li>SintDOC system:</li> <li>Engine output between 50 and 600 kW</li> <li>Exhaust gas temperatures in the filter between 260 and 450 °C, whereby it is only necessary to reach the</li> </ul>	minimum temperature for part of the time.* For engines with unfavourable emission values (less NOX and/or a lot of PM) it is possible to use platinum- plated filters	<ul> <li>Engine belonging to class II or IIIA to a comparable class</li> <li>Exhaust gas backpressure is below the permissible upper limit</li> </ul>
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\* Depends on the PM and NOX emissions. Individual analysis is recommended.



**2** The modern display informs the machine user at all times about the status of the diesel particulate filter system to enable greater operational reliability and easier scheduling.

 Operation with diesel fuel according to DIN EN 590 with a maximum sulphur content of 50 ppm