

# Continuous, economic, flexible – this is the intelligent SintROC DPF system

All components are perfectly matched and work smoothly together

The SintROC system works with continuous and fully-automatic regeneration as soon as the exhaust gas temperature has exceeded 380 °C.\* The additive dosed into the fuel reduces the ignition temperature

of the soot and accelerates the regeneration process. The amount dosed depends on the emissions of the vehicle and therefore keeps running costs to a minimum.

Based on a number concentration in the range of 20 to 300 nm the metal filter considerably reduces the particle emissions by more than 99%.

In addition to filtering out the soot and regenerating, the DPF filter also reduces the nitrogen dioxide present in the exhaust gas depending on the soot volume with additive in the filter.

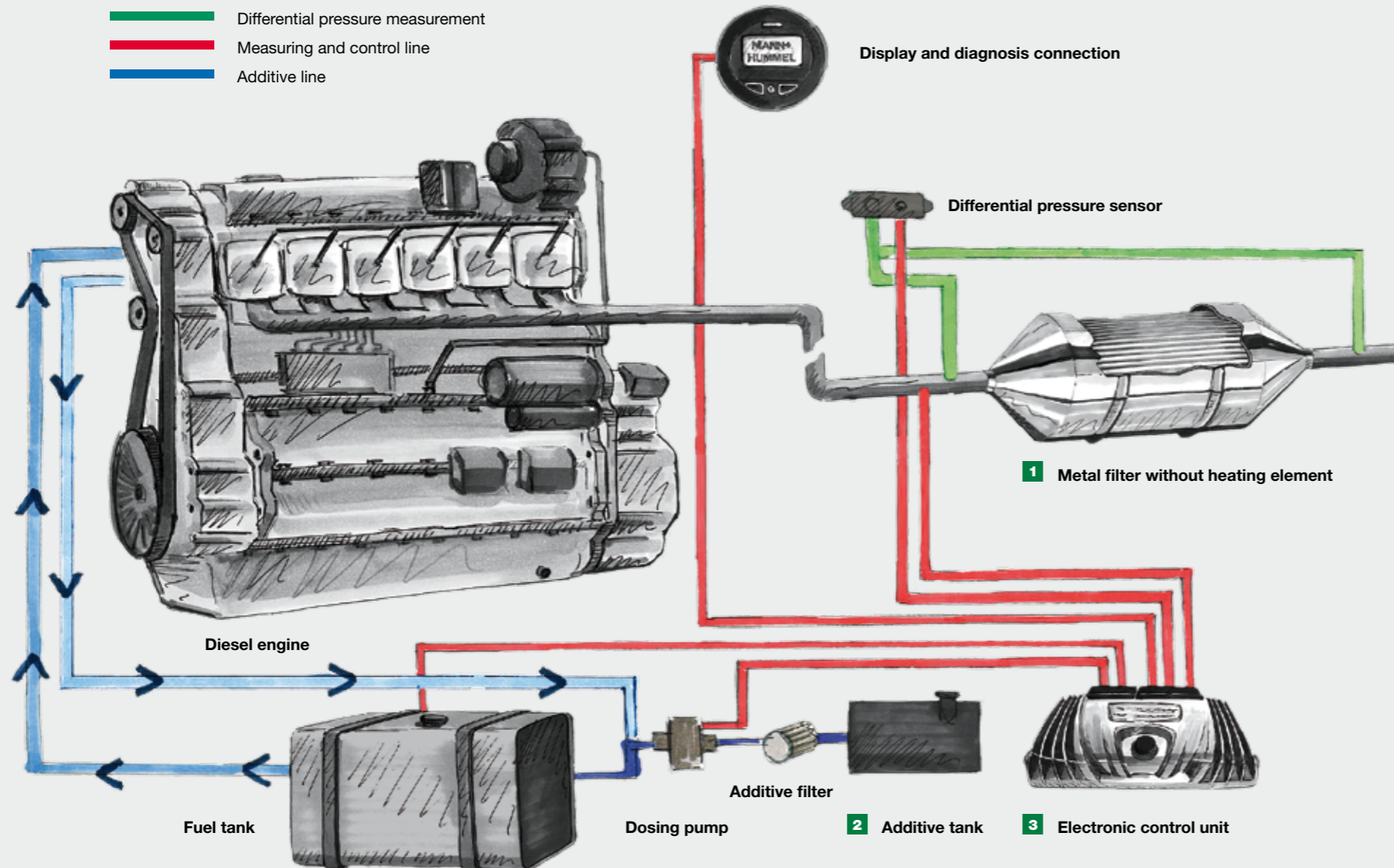
Depending on the application, a NO<sub>2</sub> reduction of up to 70% is possible.

Conditions for use of the SintROC system:

- Exhaust gas temperature in the filter of more than 380 °C for at least 10% of the operating time

- Engine outputs from 50 to 600 kW
- Engines belonging to the classes I, II or IIIA or comparable emission class

\* provided a temperature of 380 °C is exceeded for 10% of the operating time



**1** The SintROC diesel particulate filter is equipped with a robust stainless steel housing and metal filter element and offers considerable advantages with regard to maintenance, durability and running costs in comparison to conventional ceramic filter elements.

**2** The size of the additive tank is almost freely selectable. The additive used corresponds to fuel additives which have also been in use with cars for many years. There is no influence on the performance or lifetime of the engine.

**3** The electronics defines the dosing strategy for the additive. The dosing amount depends on the emission behaviour of the vehicle and therefore keeps running costs to a minimum. The control system also functions as a datalogger, and acquires temperature and pressure data.