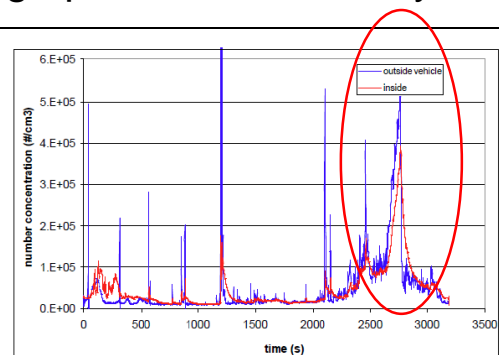


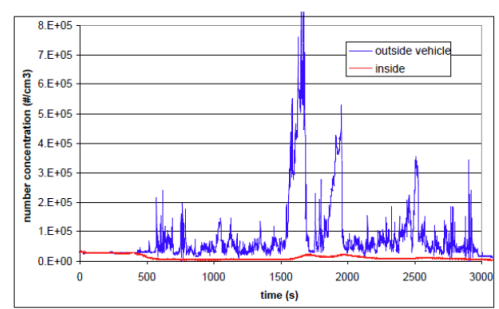
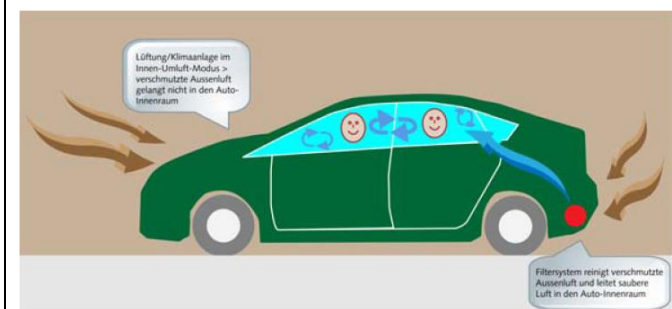
NANOCLEANER

Clean air inside vehicle cabins even in high polluted street canyons



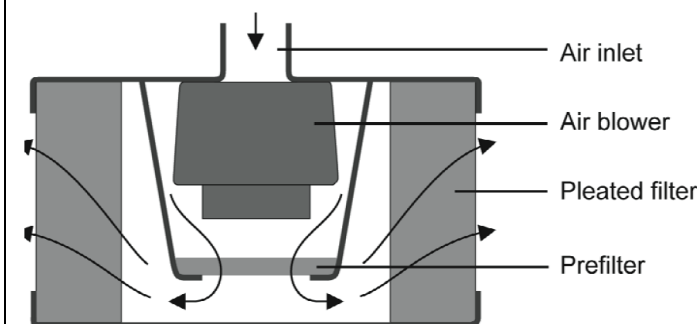
Today all road vehicles have air filters for ventilation. These filters clean the cabin air from pollen and re-suspended road dust, which means from rather large particles – following given standards. Ultrafine soot particles, however, which penetrate the alveoli and enter into blood and brain, air-borne emitted by other vehicles ahead on the same road are not filtered, even in modern vehicles! This must be changed.

Particle number concentration PN of outside air and cabin air is plotted over time, This is a modern high-class car. This car has an air filter but still ultrafine particles in the dangerous size range of 20-500 nm are penetrating and the large peak after 2000 s shows that the dirty air in a road tunnel fills the cabine. You may go on ventilation. But what about your exhaled CO₂



We can change this easily – even by retrofit: NANOCLEANER takes air from outside, cleans it perfectly and fills the car cabine with super-clean breathing air – avoiding any increase of CO₂, which would make you tired. The cabine will be slightly pressurized to prevent dirty air coming in through leakages. Windows are closed. Heating and Cooling work normally in ventilation mode.

Filtration of the NANOCLEANER is > 99% for all size particles. Air quality inside your vehicle cabine is in the order of 10³ P/cm³, like in a park where tree leaves work as filters. Even high pollution peaks when passing a dirty zone in a road tunnel are eliminated. In addition bad odors can be suppressed by using activated carbon layers in the filter.



Electric supply on board: 12 or 24 Volt
Power for a passenger car ca. 30-40 Watt
Available for cars, bus, truck, construction machines
Easy to retrofit

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