



FOR CLEANER CITY AIR.

→ PROVENTIA'S PARTIAL DIESEL PARTICLE FILTERS

Essential for engines and excellent for city air, using Proventia's pDPF filters is an efficient and cost-effective way of cleaning city air.

The health impacts of poor air quality and tightening local emission regulations are the basis for Proventia retrofit solutions. Proventia's pDPF systems for diesel engines enable significant emissions

reductions and thus improve the quality of city air at reasonable costs.

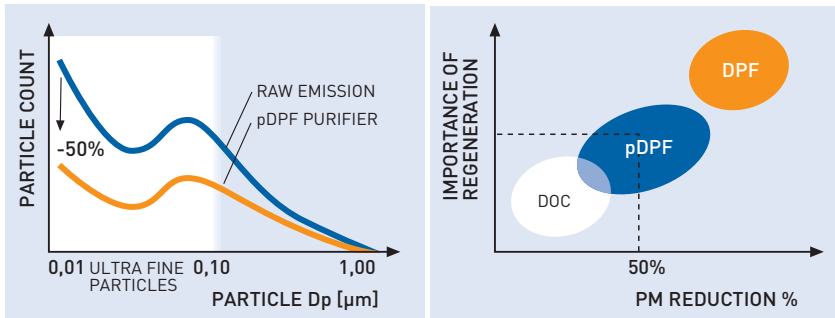
pDPF devices are user-friendly, maintenance-free purifiers that are not sensitive to changing usage environments

or fuels. Compared with other technologies, the particle matter reduction achieved with the pDPF filters is superior in cost effectiveness.



Reduction of ultra fine particle count ▶

Technology vs. regeneration ▶▶



Proventia pDPF filters

SPECIFIED SOLUTIONS THROUGH EXPERIENCE

Our extensive knowledge and experience of the various conditions of use of vehicles, maintenance methods, fuels used and local driving culture makes us experts in the field of retrofit emission control.

Our solutions can be found in buses, trucks and delivery vans with engines ranging in size from 4–10 l, including leading brands like Volvo, Scania, Renault, Iveco, Mercedes Benz, Kia and Daewoo.

SPECIAL FEATURES

Technically, pDPF technology is a mix between DOC (Diesel Oxidation Catalyst) and DPF (Diesel Particulate Filter).

A special characteristic of the pDPF purifier is its ability to also remove very hazardous ultra fine particles.

The pDPF purifier never blocks even if the exhaust temperature drops; it waits for the temperature to rise again and then regenerates itself. This feature makes pDPF purifiers easy to use in urban driving where engine loading, and consequently exhaust gas temperature, varies a lot.

PURIFICATION POWER

- PM Mass reduction -40–70%
- CO Reduction -60%
- HC Reduction -80%

BENEFITS

- Maintenance free
- Tolerant to different fuel qualities
- Tolerates various operating conditions and driving cultures
- No blocking
- Reduces significantly the number of the very hazardous ultra fine particles
- Replaces original muffler

CASE pDPF

Since 2005, Proventia has supplied over 15 000 purifiers based on pDPF technology to Asia and the USA. The devices have been installed in minibuses, trucks and light goods vehicles used in city areas. In the USA, we have received the strict-criteria Level 2+ CARB verification, holding a PM reduction requirement of 50% or more.

