

Exhaust-gas aftertreatment systems for short- and long-haul traffic

Put your trust in the SMF® when retrofitting your vehicles and benefit from our many years of experience in the business. Throughout Europe, thousands of trucks have already been successfully retrofitted with HJS particulate filters. All systems meet the statutory requirements and are certified in accordance with the valid licensing regulations, such as Annex XXVII in Germany and VERT in Switzerland, and are approved in Denmark, Italy, the Netherlands, the UK and the USA.



SMF® system for Commercial Vehicles

Quick and simple installation

The SMF® modules are integrated in a stainless-steel housing with the same dimensions as the original silencer. This means that it can easily be fitted into the existing exhaust system of almost any Type-1De of truck without the need to modify connections.

Servicing & Maintenance

With the service display contained in the items delivered the filter system is continuously supervised – at the same time the cleaning need is automatically indicated to the driver of the vehicle.



Increased re-sale value
Unrestricted access to low emission zones



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Emission Technology

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Environment protection pays for itself

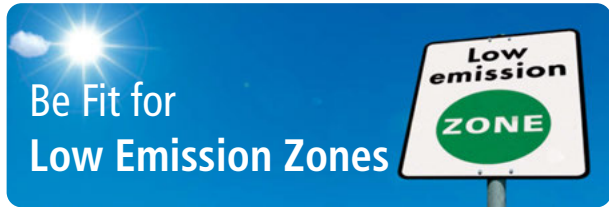


Diesel Particulate Filter for Trucks



www.hjs.com

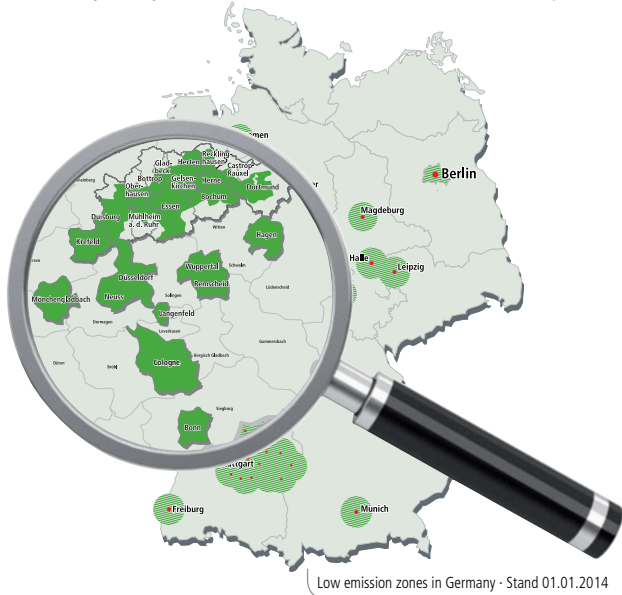
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Europe's largest LEZ Rhine/Ruhr

More and more local authorities are taking action and setting up low emission zones to enable them to comply with the EU clean air directive 2008/50/EC. More than 70 cities in Germany have set up a low emission zone (LEZ) and vehicles without a LEZ-sticker or with a red LEZ-sticker are neither allowed to enter nor park within these designated zones. As of May 2014 nationwide, violators will be ticketed with an increased 80 Euro fine.

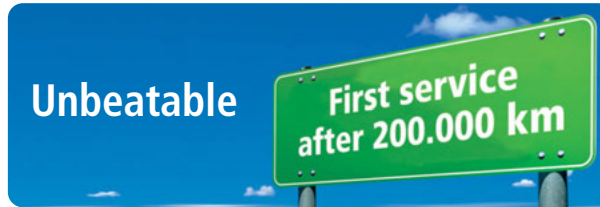
As of the 1st of July, 2014, Europe's largest LEZ Rhine/Ruhr has tightened up their entry requirements. More than 20 cities have now switched to the "green-LEZ", which allows access to vehicles with a green LEZ-sticker only to any environmental zone within North Rhine-Westphalia.



Low emission zones in Europe

Likewise, many European countries now have LEZs from which vehicles not fitted with a particulate filter are excluded.

You can find out more information about Europe's LEZs and the restrictions on access to them at <http://www.lowemissionzones.eu/>



The right system for your requirements

The centrepiece of all HJS exhaust treatment systems is the sintered metal filter (SMF®). This closed filter for trucks reduces the emissions of soot particles, including ultra-fine particulate matter, by almost 100 percent.



SMF® – the centrepiece of all HJS systems

- ✓ **Minimal downtime**
Quick and simple installation – replaces OE silencers
- ✓ **Extremely low-maintenance**
3 to 4 times more mileage than with a ceramic filter
- ✓ **Low servicing costs**
Filter cleaning simple and quick to carry out on you own premises
- ✓ **Active protection of health and the environment**
Complete reduction of soot particle emissions (PM), incl. ultra-fine particles

Comparison of maintenance characteristics

HJS sintered metal filter (SMF®)

1st service after approx. 200.000 km

Ceramic filter



(poss. filter module replacement)

Maintenance intervals depending on the driving pattern and oil consumption of the engine.
Applies to HJS systems with uncoated filters (SMF®) and vehicles that are used in long-distance transport.
(In adherence to the technical HJS specifications)



Save on toll charges in Germany

Since 1st August 2012, Germany's truck toll system has been extended to cover numerous four-lane national highways right across the country, in addition to the entire motorway network. Retrofitting Euro II and Euro III vehicles with HJS diesel particulate filter systems is rewarded in Germany with lower motorway toll charges. And truck operators from outside Germany can also save by fitting a particulate filter.

Work it out for yourself ...

Emission class Toll category	EURO III C	EURO II D
Retrofitting with	HJS 100 % particulate filter	
Toll category after retrofitting	B	C
Saving per km	2.1 Ct	8.4 Ct
After 100.000 km	2.100 €	8.400 €
After 150.000 km	3.150 €	12.600 €

State subsidies to encourage retrofitting*

German haulage companies that modernise their fleets and fit diesel particulate filters to their trucks can apply for state subsidies known as 'de-minimis' aid.



- ✓ **Max. € 2.500 per vehicle upwards of 12 t** for retrofit measures on vehicles
- ✓ **€ 25.500 per annum per company** absolute maximum subsidy

More information at www.bag.bund.de.

Many other countries also offer financial incentives to retrofit diesel particulate filters. Please contact your local HJS partner for information.

* May 2013