



HERMES

Black Smoke & Odor Eliminator

The HERMES Soot Elimination System reduces harmful air emissions from diesel generator gases by eliminating Black Smoke (BS) and harmful Particulate Matter (PM).

Protecting the environment from harmful air emissions



Quality

- Electrically operated bypass valve ensures 100% engine operation
- Guests will not experience diesel particles or odor on deck
- HERMES range serves diesel generators as well as main engines
- Passive regeneration from as low as 300°C exhaust gases ensures trouble-free operation
- Optional: Remote Data Monitoring for optimal performance



Efficiency

- No bulky gas heater required
- No complicated fuel injection systems needed for the regeneration process
- Custom designs to fit any engine exhaust gas treatment strategy
- Low ΔP across the system
- Ease of maintenance design



Sustainability

- Protecting sensitive marine coastal ecosystems
- Reducing harmful PM10 from exhaust gases
- Minimising abrasive cleaning of the hull



BEST SOLUTION FOR YACHTS

Description

The exhaust gas filtration system with DOC (Diesel Oxidation Catalyst) and DPF (Diesel Particulate Filter) substrate core, is designed to reduce soot emissions, carbon monoxide and hydrocarbons from diesel engines.

Carbon monoxide and hydrocarbon reductions are achieved through the interaction of exhaust gas with the DOC deposited on the ceramic surface. As the exhaust emissions come in contact with the oxidizing catalyst, the exothermal oxidation reaction promotes the combustion activity in the DPF by oxidizing the toxic gases and soot into harmless gases, ash and water vapour without the need for any additional heat source.

Specifications

Application	Yachts & other high-end applications Main & Auxilliary engine
Material Housing	Stainless steel (SS304)
Degree of Protection	IP55
Standards	EMC directive 2014/30/EU Machinery directive 2006/42/EC Low Voltage directive 2014/35/EU

Environmental Protection Engineering S.A.

HEAD OFFICE

📍 Piraeus, Greece
☎ +30 210 40 60 000
✉ epe@epe.gr

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