

EXHAUST PURIFICATION



THE EXILENCER™

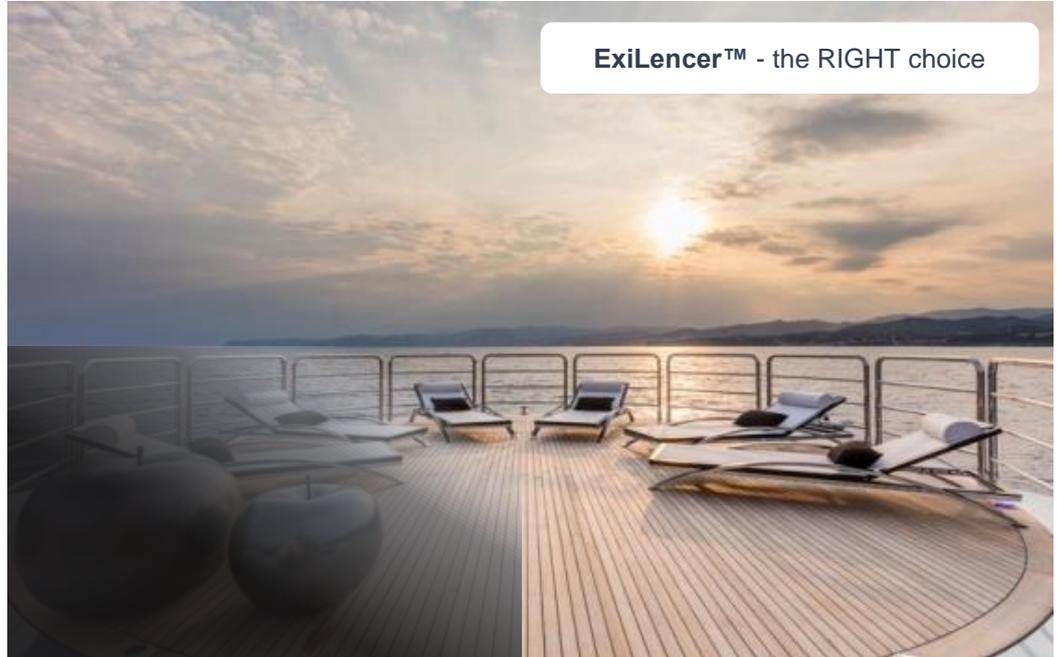
FOR GREATER
COMFORT AND
CLEAN AIR

PASSIVE EXHAUST SYSTEM

REMOVING SOOT, FUMES & CARBON MONOXIDE

REDUCING LOW & HIGH FREQUENCY NOISE &

NITROGEN OXIDES - NO_x



ExiLencer™ - the RIGHT choice

Exhaust gasses can ruin any trip on a yacht – Soot, oily water and smell often cause complaints from families, friends and guests, and are likely also annoyed about the multiple hours spend on cleaning.

The Exilator™ “crew” has worked ambitiously and passionately for years to develop and produce an award winning solution, so you can enjoy the comfort and luxury of clean air – all the time.

Exilator™ has 3 generations of emission and silencer knowledge, and uses well proven technologies from the automotive, mining and space industries, to ensure a pleasant and comfortable journey for everyone.

Exilator™'s passive exhaust purification system, **ExiLencer™**, cleans the air, and protects your yacht and the environment.

The **ExiLencer™** is a combination of 3 technologies:

1. A silencer.
2. **ExiBlock™**, with licensed coating developed by NASA.
3. A special NO_x catalyst.

ExiLencer™ purifies the exhaust by eliminating:

- 98% of the black soot.
- 99% of the carbon monoxide.

In addition the exhaust system noise is reduced with ca. 35dB.

ExiLencer is the RIGHT choice, for those who can afford the luxury of clean air.

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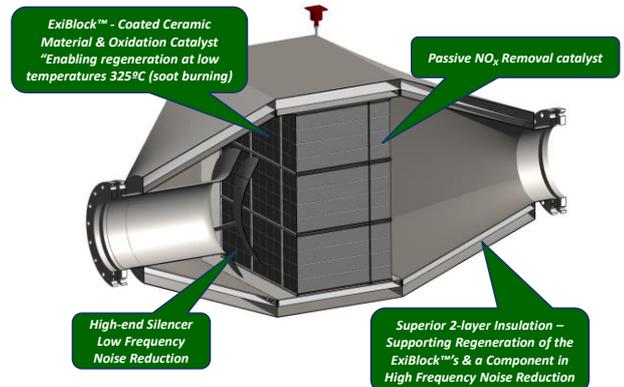
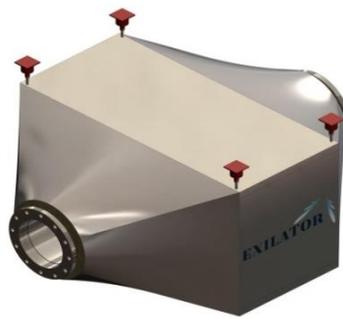
EXILATOR

ExiLencer™ continuously ignites and burns black soot (regeneration), when the exhaust gas temperature is above 325°C. The relative low soot ignition temperature is caused by the special coated ceramics, the **ExiBlock™**'s.

The **ExiLencer™** is delivered with a real-time monitoring system, the **ExiBox™**, with the purpose of keeping engineers informed about system performance.

A standard PC display installed in the engine control room, provides clear and visual status of the **ExiLencer™** performance.

The monitoring system stores data locally, always ensuring availability of real-time and historical exhaust data. There is an option to access data remotely.



The passive **ExiLencer™** system is compact and requires little maintenance.

- The **ExiBlock™**'s only needs cleaning once a year or after 5,000 hours of operation.
- The **ExiBlock™**'s are re-used 10 to 12 times or more than 50.000 running hours - for some Yachts, the same **ExiBlock™**'s for a lifetime!
- No active parts → no mechanical wear.
- Annual calibration/verification is offered to ensure **ExiLencer™**'s system integrity.
- The system is made of high grade stainless steel.
- **ExiLencer™** is suited for 4-stroke diesel engines, using low sulphur fuel oil.

The **Exilencer™** system is always optimized to the actual engine size and performance.

Simple design guidelines help defining the right size of the **ExiLencer™**. See our recommendations to the right.

| ExiBlock™ | Engine size [kW] |
|-----------|--------------------|
| 1 | kW < 125 |
| 2 | 125 ≤ kW < 225 |
| 4 | 225 ≤ kW < 400 |
| 6 | 400 ≤ kW < 575 |
| 8 | 575 ≤ kW < 750 |
| 12 | 750 ≤ kW < 1,250 |
| 15 | 1,250 ≤ kW < 1,700 |
| 18 | 1,700 ≤ kW < 2,150 |