



## NEWS RELEASE

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### Alfa Laval wins groundbreaking marine environmental order from MAN Diesel & Turbo

**Alfa Laval – a world leader in heat transfer, centrifugal separation and fluid handling – has won the first commercial order from MAN Diesel & Turbo to supply Alfa Laval PureNOx water treatment systems to be integrated in a process to reduce harmful nitrogen oxides (NOx) emission onboard vessels. The order is worth approximately SEK 7 million and delivery is scheduled for 2013.**

“This is a groundbreaking order in many ways; It is our first commercial order for Alfa Laval PureNOx water treatment system and it will be integrated in a new solution on the market which fully complies with the upcoming regulations – and the order is from the world’s leading provider of low speed diesel engines”, says Lars Renström, President and CEO of the Alfa Laval Group. “The order also confirms our position as an innovative supplier of marine environmental solutions.”

The Alfa Laval PureNOx Water treatment system (WTS) is developed together with MAN Diesel & Turbo to be integrated in their Exhaust Gas Recirculation (EGR) process to reduce the NOx emissions from the main engines of the ships. The Alfa Laval WTS will clean the circulating scrubber water to protect the EGR system – and also clean the excess water formed during combustion – before it is being discharged overboard.

The International Maritime Organization’s (IMO) convention for the reduction of nitrogen oxides (NOx) will come into force in 2016 demanding NOx emissions to be reduced by 80 percent relative to 2000 levels – and it will affect newly built ships sailing in the special Emission Control Areas (ECAs) defined for NOx (as per today defined as large parts of the coastline of Canada and the US).

**Did you know that...** there are two main technological alternatives to meet the new requirements for nitrogen emissions: Selective Catalytic Reduction (SCR) and Exhaust Gas Recirculation (EGR)?

#### **About Alfa Laval**

Alfa Laval is a leading global provider of specialized products and engineering solutions based on its key technologies of heat transfer, separation and fluid handling.

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The company's equipment, systems and services are dedicated to assisting customers in optimizing the performance of their processes. The solutions help them to heat, cool, separate and transport products in industries that produce food and beverages, chemicals and petrochemicals, pharmaceuticals, starch, sugar and ethanol.

Alfa Laval's products are also used in power plants, aboard ships, in the mechanical engineering industry, in the mining industry and for wastewater treatment, as well as for comfort climate and refrigeration applications.

Alfa Laval's worldwide organization works closely with customers in nearly 100 countries to help them stay ahead in the global arena.

Alfa Laval is listed on Nasdaq OMX, and, in 2011, posted annual sales of about SEK 28.6 billion (approx. 3.2 billion Euros). The company has today about 16 000 employees.

[www.alfalaval.com](http://www.alfalaval.com)

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