Press release

January 2023

Alfa Laval introduces the marine industry's first biofuel-ready separators

Biofuels are a current and accessible fuel option that can help marine customers decarbonize. Yet while biofuels reduce CO_2 footprint, they also pose new operational challenges. Alfa Laval is first in the market to address them with biofuel-optimized separators and separator upgrades.

Assured compatibility with prominent biofuels
Biofuels like HVO (hydrotreated vegetable oil) and FAME (fatty acid methyl ester) can be used by diesel engines without major engine modifications. They can be a carbon-neutral alternative if produced from the right biomass, but they must still be cleaned effectively to prevent performance issues and expensive engine wear. In a marine industry first, Alfa Laval high-speed separators are now compatible with HVO (EN15940) and with FAME (EN14214 or ASTM D6751) blends comprising residual fuel and/or distillate.

"We are proud to support our customers' decarbonization journey, no matter which fuel path they take," says Markus Hoffmann, Global Sales Manager, Marine Separation & Heat Transfer Equipment, Alfa Laval. "Biofuels will be the choice for many marine vessels, but customers must be certain that their equipment is prepared for them. With biofuel-ready separators and cost-efficient biofuel upgrades, Alfa Laval can provide that certainty."

Prepared for biofuel complexity
Biofuels are already in widespread use, and ISO is looking to incorporate them into the 2024 revision of ISO 8217. Nevertheless, they can be prepared in various ways and differ widely in their characteristics – both from conventional fuels and from each other. Because of differences in density, moisture absorption and more, they demand additional care when it comes to fuel storage and treatment.

To ensure optimal biofuel separation, Alfa Laval has modified both internal bowl components and the separator software. This makes setting up for HVO, FAME blends or conventional fuels a simple parameter change. Incorporated into new Alfa Laval separators for purchase, the developments are also available as upgrades for existing separators.

"Optimizing for biofuels is nothing that occurs overnight," says Hoffmann. "Our biofuel-ready separators build on deep fuel insights, extensive research at the Alfa Laval Test & Training Centre and long cooperation with ISO and CIMAC. As biofuels continue to evolve, customers can count on Alfa Laval for efficient engine protection, just as they have with conventional marine fuels."

To learn more about biofuel-ready separators and Alfa Laval's approach to biofuels, please visit: www.alfalaval.com/marinebiofuel

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Editor's notes

This is Alfa Laval

Alfa Laval is a world leader in heat transfer, centrifugal separation and fluid handling, and is active in the areas of Energy, Marine, and Food & Water, offering its expertise, products, and service to a wide range of industries in some 100 countries. The company is committed to optimizing processes, creating responsible growth, and driving progress to support customers in achieving their business goals and sustainability targets.

Alfa Laval's innovative technologies are dedicated to purifying, refining, and reusing materials, promoting more responsible use of natural resources. They contribute to improved energy efficiency and heat recovery, better water treatment, and reduced emissions. Thereby, Alfa Laval is not only accelerating success for its customers, but also for people and the planet. Making the world better, every day.

Alfa Laval has 17,900 employees. Annual sales in 2021 were SEK 40.9 billion (approx. EUR 4 billion). The company is listed on Nasdaq Stockholm.

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