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The Alfa Laval FCM One Gas promises smooth high-pressure fuel gas supply

Alfa Laval's leading expertise in fuel conditioning is now applied in high-pressure fuel gas supply systems for LNG. The Alfa Laval FCM One Gas is the latest addition to the FCM One family, the company's new generation of high-performance booster systems.

The Alfa Laval FCM One Gas, which will be on display at SMM 2016, is a complete fuel gas supply system for engines equipped with high-pressure ME-GI technology. As part of the FCM One booster family, the FCM One Gas provides sophisticated automation for all start, stop and purging sequences. The result is smooth, automatic control of fuel pressure for the lowest possible energy consumption at any load.

"For crews with experience of other Alfa Laval fuel conditioning systems, the FCM One Gas will feel very familiar," says Roberto Comelli, Business Manager, Fuel Conditioning Systems. "From the modular design and graphical interface to the automation itself, the FCM One Gas builds on Alfa Laval strengths the marine industry has come to rely on."

Alfa Laval PCHE vaporizer technology

One of the key strengths of the FCM One Gas is its LNG vaporizer: the proprietary Alfa Laval printed circuit heat exchanger (PCHE). Robust yet highly compact, this diffusion-bonded heat exchanger handles cryogenic temperatures and pressures as high as 650 bar(g). "The small size and high thermal efficiency of the PCHE allow tremendous space savings and make the module more flexible," says Comelli. "Being able to design and produce the PCHE in-house gives Alfa Laval full control over the vaporizer's thermal performance and reliability."

Marine experience and global support

Reliability is also tied to experience, especially in a young application. Here, says Comelli, Alfa Laval has more to offer than any other booster supplier. "The first vessels with these engines are only now setting sail," he says. "As the only experienced marine supplier in this booster application, Alfa Laval has the knowledge and global support to ensure peace of mind."

To learn more about the Alfa Laval FCM One Gas and Alfa Laval's approach to fuel conditioning, visit www.alfalaval.com/marine

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Editor's notes

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.

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, oil and gas exploration, 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 2015, posted annual sales of about SEK 39.7 billion (approx. 4.25 billion Euros). The company has about 17 500 employees.

www.alfalaval.com