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New PureBallast 3.1 Compact Flex shrinks footprint and installation costs in ballast water treatment

Now in its third generation, Alfa Laval PureBallast leads the way in ballast water treatment performance. With the introduction of Alfa Laval PureBallast 3.1 Compact Flex to the PureBallast family of systems, it also leads the way in minimizing footprint and installation costs.

Available space comes at a premium on any vessel. This is especially true when retrofitting major equipment such as a ballast water treatment system, which in most cases was never considered in the vessel design. On newbuilds as well, it can be difficult to incorporate a treatment system into the already cramped engine room.

Alfa Laval PureBallast 3.1 Compact Flex, a new PureBallast system based on loose components, is the answer to space and flexibility needs. Available for flows of 32–1000 m³/h, it packs the leading ballast water treatment technology into a footprint up to 20% smaller than that of PureBallast 3.1 – the smallest on the market. Likewise, it reduces installation costs by up to 10%, thanks to a plug-and-play concept for quick and easy connection.

“Alfa Laval PureBallast 3.1 Compact Flex is economical, both in its use of space and in its installation,” says Anders Lindmark, Head of Alfa Laval PureBallast. “As a result, it removes headaches for both ship owners and shipyards. It’s an ideal choice for the vast majority of vessels, combining the smallest possible footprint with superior performance in the widest range of conditions.”

Available now, Alfa Laval PureBallast 3.1 Compact Flex joins the existing PureBallast family of ballast water treatment systems adapted to different customer needs. PureBallast 3.1 handles high flows and special requirements, while PureBallast 3.1 Compact offers a skid-mounted option. These systems have U.S. Coast guard type approval, which is also pending for

PureBallast 3.1 Compact Flex. All three PureBallast 3.1 systems provide the same superior performance in fresh, brackish and marine water, including full-flow operation in IMO-regulated waters where the UV transmittance is as low as 42%.

To learn more about PureBallast 3.1 Compact Flex and Alfa Laval's approach to ballast water treatment, visit the Alfa Laval stand at Kormarine (stand 3M09) or www.alfalaval.com/pureballast

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Editor's notes

About Alfa Laval PureBallast

PureBallast, which was the first commercially available ballast water treatment system, is a chemical-free system sold and serviced by Alfa Laval. A vital component of the system is the Enhanced UV Reactor, which was developed jointly by Alfa Laval and Wallenius Water based on Wallenius Water Technology.

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'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 2016, posted annual sales of about SEK 35.6 billion (approx. 3.77 billion Euros). The company has about 17 000 employees.

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