



May 2019

USCG type approval issued for Alfa Laval PureBallast 3 1500 m³/h reactor

On 15 May, the U.S. Coast Guard (USCG) presented a type approval certificate for the largest PureBallast 3 reactor size: 1500 m³/h. Customers can now select any PureBallast 3 system configuration for use in United States waters.

Launched in late 2018, the 1500 m³/h reactor for PureBallast 3 is optimized for 50% more flow than the former largest reactor size. It thus enables a range of more streamlined and cost-efficient system configurations for vessels with large ballast water flows. With USCG type approval in hand as well as IMO revised G8 type approval, those configurations are now available for use worldwide and will remain so even after 28 October 2020.

“Customers have shown great interest in the new possibilities of the 1500 m³/h reactor for PureBallast 3,” says Peter Sahlén, Head of Alfa Laval PureBallast. “Those customers who require USCG type approval can now take advantage of the full range of configurations, which extend from 32 m³/h with a skid-mounted system up to 6000 m³/h with dual systems.”

For vessels with ballast water flows of 1000 m³/h or more, the configurations encompassed by the new USCG type approval offer significant benefits. A 3000 m³/h system can be achieved with just two reactors, for example, while a 1500 m³/h system goes from two reactors to one.

“Today’s UV ballast water treatment systems are already smaller and more cost-effective to install than electrochlorination systems for large flows,” says Sahlén. “Being able to configure a PureBallast 3 system with even fewer reactors further reduces complexity and cost.”

To learn more about Alfa Laval PureBallast 3 and Alfa Laval’s approach to ballast water treatment, visit 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 solution, is a chemical-free technology sold and serviced by Alfa Laval. A vital component of PureBallast is the enhanced UV reactor, which was developed jointly by Alfa Laval and Wallenius Water based on Wallenius Water technology. All PureBallast systems are available with both IMO and U.S. Coast Guard type approvals.

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, in 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 2018, posted annual sales of about SEK 40.7 billion (approx. 4.0 billion Euros). The company has about 17 200 employees.

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