

Wärtsilä valves are crucial to the integrity of scrubber system installations



Exhaust gas cleaning systems, or scrubbers as they are commonly known, are an effective and popular means for achieving compliance with the International Maritime Organization's (IMO) sulphur restrictions that enter into force in 2020. Wärtsilä's class-approved 'Ship Side' valves are considered to be a critical element in scrubber installations.

Scrubber systems, be they open loop or closed loop or a hybrid combination of both, utilise seawater to wash the effluent. The intake of the seawater, and also its discharge, is located below the waterline, which places a high degree of reliability on the valves controlling this flow. Thus the integrity of the entire vessel is dependent

upon the efficiency and effectiveness of these valves.

The Finland-based technology group Wärtsilä has years of experience and a depth of in-house expertise in the design and development of valves for marine applications. The company's integrated package for both newbuild and retrofit

scrubber installations includes the design and supply of the valves, as well as the project management for their installation. During 2019, Wärtsilä will deliver complete scrubber valve sets for more than 50 large vessels. This represents approximately 600 large valves.





A single-source supplier

Wärtsilä has the marine industry's most extensive portfolio of products, systems, and integrated solutions. This comprehensive offering enables the company to act as a single-source supplier with all the related benefits this provides to both the ship owner and the shipyard. Procurement is eased, supply logistics are simplified, installation-delay risks are alleviated, and most importantly, the overall solution can be smoothly and

efficiently integrated with all components coming from the same manufacturer. This integration work involves Wärtsilä's team of design and engineering specialists, as well as the company's valve and scrubber system experts.

Wärtsilä, the Valves Expert

The valves provided by Wärtsilä are specifically matched to the demanding needs of scrubber applications. The scrubber inlet Butterfly Valves are manufactured entirely using Nickel Aluminium Bronze, while the 'Ship Side' outlet Butterfly Valves and Non-Return Valves are manufactured using a Super Duplex material. The service life with attentive maintenance is anticipated to be in the order of 40 years. All are high performance, and are class approved by DNV-GL.

Scrubber installations are typically rather extensive projects, and the chosen

valve provider needs to have recognised credentials in the form of experience, reliability, and strong technical capabilities. Not least in importance is an impressive reference list of satisfied customers. Wärtsilä has earned global recognition for the product design, quality, and reliability of its valve offering.

The company incorporates three long-established brands; Shipham, Robert Cort, and John Mills, with a valve history dating back to 1798. Wärtsilä is listed as an approved vendor by most industry majors, and has successfully completed projects in countries around the world.



28 to 48" Nickel Aluminium Bronze High Performance Butterfly Valve



10" Super Duplex Dual Plate Check Valve



10" Super Duplex High Performance Butterfly Valve

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