



Bawat

Ballast Water Management

CORPORATE
BROCHURE



BALLAST WATER MANAGEMENT SYSTEM

- NO FILTER
- NO OPEX
- ONE PASS TREATMENT SYSTEM
- IMO BWMS CODE APPROVED



Bawat
Ballast Water Management

U.S. Coast Guard
APPROVED

BAWAT BWMS

ONE-PASS TECHNOLOGY

The Bawat BWMS is the world's first in-voyage and no-filter ballast water management system utilizing onboard waste energy to treat water.

The Bawat BWMS is a **One-Pass** BWMS meaning ballast water is treated after passing through the system once - no secondary treatment or neutralization is necessary. The technology used is pasteurization. Pasteurization is a well-known and very efficient process to kill bacteria and plankton. Applied on ballast water, the water only needs one pass through the Bawat BWMS and the ballast water becomes D2 compliant. No further treatment or holding time is needed.

CHOICE OF BAWAT BWMS

When vessel owners choose a Bawat BWMS they select a robust, easy-to-handle, sustainable and green BWMS solution. This unique approach to ballast water treatment aims at keeping the total cost of ownership as low as possible and at the same time making the operational set-up as easy as possible.

The system consists of well-known standard marine components, making it easy to operate and simple to maintain for crew.

MAIN FEATURES

- No OPEX
- Green profile - BWMS powered by waste heat
- No filters = 100% up-time
- Independent of salinity and turbidity of the sea water
- No holding time
- Very robust
- One-pass treatment
- No consumables or chemicals

*"The technology used is pasteurization...
In this process all foreign species are
killed and the ballast water becomes
D2 compliant."*



BAWAT SHIP BWMS





BAWAT SHIP BWMS

WORLD'S FIRST IN-VOYAGE BWMS

The Bawat BWMS is the world's first in-voyage and no-filter ballast water management system utilizing onboard waste energy to treat water.

The BWMS is sized to fit to the ballast treatment need and not according to the size of the ballast pumps. The control system makes it possible for the crew to monitor and document whether the ballast water has been treated or not. The system is easy to maintain as it only uses standard marine components.

Bawat's in-voyage system ensures zero impact on ship performance and zero disruption to cargo and ballast operation while the vessel is in port. As the Bawat Ballast Water Management System (BWMS) is treating water in-voyage, the ship's crew can fully concentrate on other operations while in port.

SUITABLE VESSEL TYPES

Bawat's BWMS is suitable for many vessel types. Vessels with a high-powered main engine and with a relatively small amount of ballast water.

The system is designed to fulfil the actual needs for treatment of ballast water resulting in a minimal footprint. The utilization of waste heat to drive the BWMS, no filters and no consumables makes OPEX for ship owners negligible.

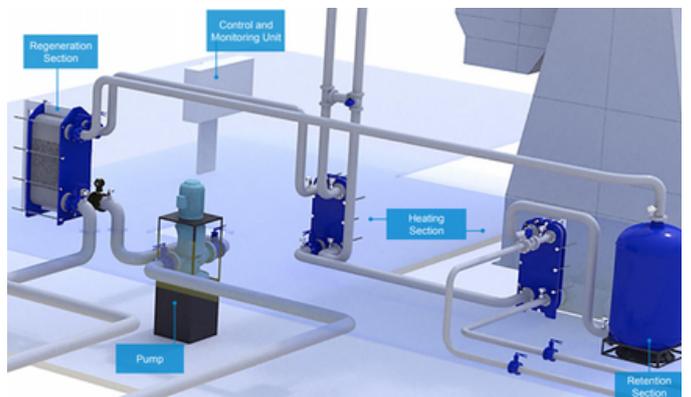
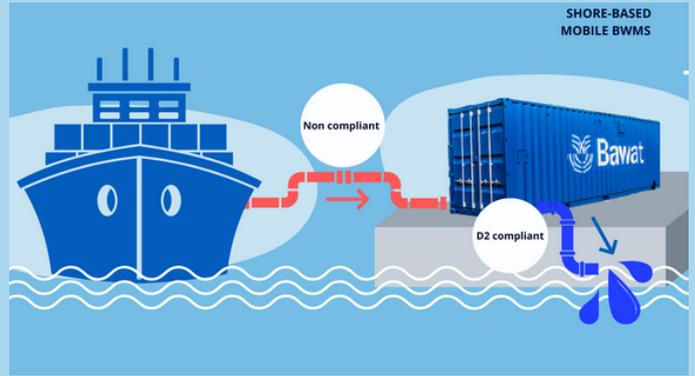


Illustration of Bawat's one-pass BWMS

***BAWAT
MOBILE BWMS***



Bawat



BAWAT CONTAINERIZED MOBILE BWMS

INNOVATIVE APPROACH

The Bawat mobile solution enables ships and barges to avoid expensive fixed installations. Also the mobile container enables owners with multiple vessels to service several units with only one Bawat mobile BWMS.

By offering this, vessel owners will be able to save both CAPEX and OPEX and adhere to the BWMC (Ballast Water Management Convention) without adding permanent space consuming equipment on the ships or barges.

HOW IT WORKS

Bawat's mobile system is easily connected to the ballast water piping. The ballast water needs to pass the BWMS only once before it is fully D2 compliant in accordance to the IMO criteria for ballast water discharge.

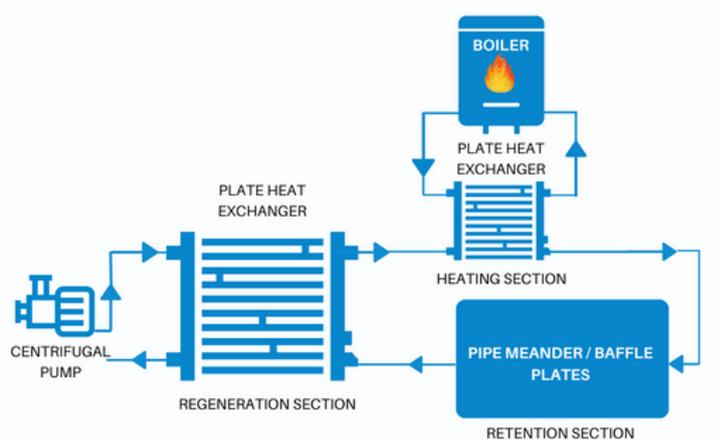


Illustration of Bawat's pasteurization technique



ABOUT BAWAT A/S:

Bawat A/S offers a cost-effective, environmentally-friendly approach to ballast water management.

Founded in 2011 Bawat is rooted in the tradition of Danish maritime innovation.

Bawat's commitment is to make a difference concerning the ecological well-being of the world's oceans by introducing innovative sustainable technology for the maritime industry.





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CONTACT US:

We are based out of our head office in Copenhagen, Denmark and work closely with local agents and partners covering most of the world to service local needs and expectations.

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