



Choosing a ballast water treatment system

Top 5 selection tips

Feeling overwhelmed? There's plenty to consider when looking at ballast water treatment systems. But it doesn't have to be so complicated. These five tips can help you find reliable compliance – without headaches and unnecessary costs.

1. Start with your operations

Where does your vessel do business? It sounds like a silly question, but every ballast water treatment system has limits. (Don't let anyone tell you otherwise.) A system only complies under the specific conditions in its type approval, which need to match conditions where you sail.

How salty, cold or dirty the water is can affect:

- How much it costs you to comply
- How long before you can deballast
- Whether you can sail in an area at all

Cold and lack of salt mean problems for all electrochlorination (EC) systems. Unclear water affects UV treatment, but some systems handle it far better than others. For an easy way to match performance with the conditions where you sail, try the free Compliance Navigator tool at www.pureballast-complianc navigator.com



2. Look at your vessel – not just the system

Do you see the whole picture when you look at a ballast water treatment system? If it's a UV system, the answer is probably yes. You see the components you need.

If it's an electrochlorination (EC) system, you could need a lot more. Depending where you sail, you might need additional heating or a tank for storing salty water. Surely, you'll need ventilation equipment and storage for chemicals. Those are often outside the supplier's scope, but they add footprint and cost.

EC can also affect your vessel in another way – by corroding your ballast water tanks.

3. Think marine from start to finish

Can a ballast water treatment system be tough enough? The sea is a harsh place, so your system needs non-corrosive, marine-grade materials to last as long as your vessel. Cutting corners can mean big costs later on.

But it's not just materials. Your system should also be easy to use – and ready for the unexpected at sea. Suppliers with little experience designing or delivering marine systems might underestimate the challenges. And will they be ready with marine service if anything goes wrong?

4. Choose a supplier with staying power

How long do you plan on doing business? You'll need a supplier who'll be there just as long.

It's not only a matter of getting service. If your supplier disappears and the system is discontinued, there's no one to produce certified parts. And without those, your system's type approval certificate could become invalid.

5. Don't forget the next steps

What comes after your decision? Selecting a ballast water treatment system is the first step, but you still have to get it on board. And to meet the regulations, your crew must be trained to use it. Those steps should also be part of your choice.

A strong supply and logistics network will ensure you get your system on time. An experienced supplier can ensure the engineering is correct, plus oversee installation and handle commissioning – to save you costly mistakes and the risk of non-compliance. And a serious supplier will put time and resources into giving you the knowledge you need.

How does Alfa Laval PureBallast 3 measure up?

Here's a quick overview of how Alfa Laval's ballast water treatment solution lives up to the criteria mentioned.

Matched to your operations

- Compliance in widest range of waters and conditions
- Chemical-free UV technology
- Unaffected by water temperature and salinity
- Best performance in low-clarity waters

Less impact on your vessel

- Small footprint
- No "hidden" equipment to add footprint or costs
- Low operating costs
- No risk of corroding ballast water tanks

Made for marine

- Lasting marine-grade materials
- Designed and built with marine experience
- Service available in port and at sea – worldwide

Secure in the long term

- 100+ years of marine experience
- Global marine service network
- Reliable, on-time supply of parts

Retrofit partnership

- Almost 20 years of retrofit experience
- Strong supply and logistics network
- Installation supervision and commissioning
- Convenient and dedicated training resources

Learn even more by trying Compliance Navigator at www.pureballast-compliancenaavigator.com

How to contact Alfa Laval

Up-to-date Alfa Laval contact details for all countries are always available on our website at www.alfalaval.com

100002705-1-EN 2007

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