

Peace of mind with UV ballast water treatment

UV ballast water treatment gives you easy, reliable compliance with IMO and U.S. Coast Guard legislation. But what does it let you avoid? Here's how you benefit by choosing UV over electrochlorination (EC).



No harsh chlorine

You avoid creating chlorine, which is toxic to your crew and corrosive to your tanks.



No explosive hydrogen

You avoid generating hydrogen gas, whose explosive nature necessitates ventilation and other safety measures.



No post-treatment chemicals

You avoid fire hazards, toxic fume risks and skin/eye irritants that necessitate extra crew training and safety equipment when dealing with total residual oxidant (TRO) levels.



No hazardous by-products

You avoid oxidizing substances in the seawater that create disinfection by-products (DBPs), which are potentially linked to cancer, mutation and reproductive difficulties.^{1,2}



No dosing worries

You avoid the risk of chemical under- or overdosing, for example due to sensor failures or misinterpretation of the sensor values.



No stocking difficulties

You avoid running out of chemicals that may be difficult to acquire but necessary for your compliance.

1. Bromination of Marine Dissolved Organic Matter following Full Scale Electrochemical Ballast Water Disinfection. Environmental Science & Technology, no. 49 (2015): 9048–9055.

2. Emerging Risks from Ballast Water Treatment. Federal Institute for Risk Assessment. Berlin: BfR Wissenschaft, 2012.