

Complete Water Analysis Solutions for the
Maritime Industry



Be Right™

Complete Solutions, Worldwide Support.



For over 70 years, Hach has offered water analytical instruments for process, lab, and handheld applications. Hach makes water analysis better, faster, simpler, greener, and more informative.

Within the maritime industry, Hach's solutions can be found onboard vessels for gas scrubber applications, waste and potable water monitoring, ballast water disinfection monitoring, and recreational water monitoring. Hach has a global support network with locations in Europe, USA, Canada, Australia, and the Caribbean. With Hach, ship owners can:

- Maintain SOx compliance without hiring additional onboard expertise
- Avoid fines by meeting the IMO ballast water regulations
- Provide safe potable water to passengers
- Reduce wastewater treatment costs
- Utilize a low-maintenance solution for monitoring bilge water treatment

First in Support and Service

We understand your need for global support to maintain uptime and meet calibration interval requirements and maximize instrument dependability regardless of your location. With hundreds of mobile factory trained field engineers located globally, large spare parts inventories, and factory repair centers on four continents, Hach is ready to provide you with calibration, preventative maintenance, and repair services where and when you need it. Remote support engineers in the USA and Germany are also available to assist over the phone, through email, or by chat. Hach offers both on-demand billable options as well as partnership plans for long-term support.



Are you or your customers ready for 2020 IMO SOx regulations?

With the decision to move the global sulfur limit to 0.50% m/m (mass/mass) in 2020, ship owners will require maximum uptime for additional analytical equipment. With insufficient water analysis experts on staff, ship owners will need to partner with a vendor that can offer proven reliability of products and expert service on a global scale.

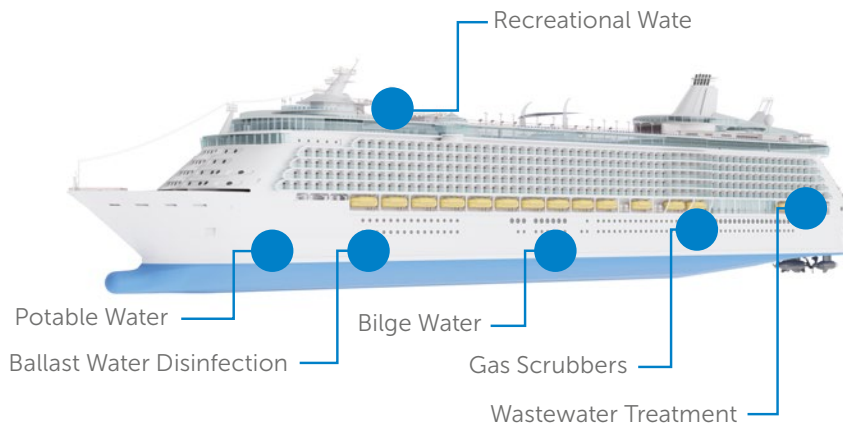
Working with a vendor not well-versed in water analytics, or a vendor without a global footprint that has the resources to scale to your needs can result in downtime, a risk of fines and an impact on the environment.

By partnering with Hach, ship owners can save time and resources with preventative maintenance, calibration, and repair services for exhaust gas cleaning monitoring solutions.

Service Locations



● Primary Hubs ● Service Locations



Gas scrubbers



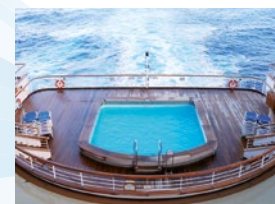
Ballast water disinfection



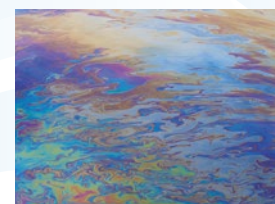
Potable water



Wastewater treatment



Recreational water



Bilge water

Maintain SOx compliance with Exhaust Gas Cleaning

Gas scrubber water analysis represents Hach's newest application with years of successful runtime across multiple manufacturers. Hach's robust and reliable portfolio of instruments has been proven for gas scrubber applications, including process and handheld measurements of turbidity, polycyclic aromatic hydrocarbons (PAH), pH, dissolved oxygen, and conductivity. Hach service engineers have provided onboard calibration, maintenance, and repair support globally.

Avoid fines with efficient ballast water disinfection

Hach has the expertise to provide the right solutions for ballast water monitoring to maintain compliance with regulatory requirements, including treatment systems utilizing UV disinfection or chemical disinfection. Hach continues to work closely with the maritime industry to develop instrumentation that meets the needs of the wide variety of stakeholders, including ship owners and operators, shipbuilders, Port State Control and other regulatory stakeholders, who are impacted by these regulations.

Keep passengers safe with accurate potable water analysis

Hach's solutions are designed to make drinking water analysis better, giving you total confidence in the quality and safety of your potable water. Hach covers all the drinking water testing parameters that you use to analyze and treat water through filtration, disinfection, and distribution.

Gain control of your wastewater treatment process

At Hach, we understand and embrace the challenge of growing regulations impacting onboard wastewater treatment. By utilizing Hach water analytical solutions you gain greater control of your treatment process to prevent downtime, minimize energy usage, and ensure regulatory compliance.

Ensure safety with simple-to-use pool test kits

Ensure recreational water safety for your guests utilizing Hach's simple-to-use test kits and portable lab options. Free and total chlorine, hardness, pH, alkalinity, calcium, and cyanuric acid are all available through Hach's established solutions portfolio.

Be confident in a care-free solution to bilge water monitoring

Continuously monitor the oil content of your bilge water with the low-maintenance Hach FP360 oil-in-water probe. Optional automatic cleaning, with annual calibration reduces your time spent compared to traditional Oil Content Monitors.

Hach Water Analytics Solutions

Parameters

| | pH | Conductivity | PAH/Oil in Water | Turbidity | Free Chlorine, Total Chlorine | Residual Disinfectant Level | Alkalinity | Suspended Solids, TDS | Organic Load | Hardness |
|-----------------------|----------------------|--------------|------------------|-----------|-------------------------------|-----------------------------|------------|-----------------------|--------------|----------|
| Application | Exhaust gas cleaning | ● | ● | ● | ● | ● | | ● | | ● |
| | Ballast water | | ● | | ● | ● | ● | ● | ● | |
| | Bilge water | | | ● | | | | | | |
| | Potable water | ● | ● | | ● | ● | ● | ● | ● | ● |
| | Recreation / Pool | ● | ● | | ● | ● | ● | ● | | ● |
| | Wastewater | ● | | | ● | | | | ● | ● |
| Hach Solutions | Portable meter | ● | ● | | ● | ● | ● | ● | | |
| | Laboratory meter | ● | ● | ● | ● | ● | ● | ● | | ● |
| | Online probe | ● | ● | ● | ● | ● | ● | | ● | ● |
| | Online analyser | | | | ● | ● | | ● | ● | ● |

For a full product portfolio and a complete list of parameters please contact us:
 United States: 800-227-4224 | Outside United States: 970-669-3050



Support Online

Get expert answers at Hach Support Online

Hach Support Online (HSO) pools more than 80 years of water analysis knowledge into a powerful global community. Flowing directly into our customer and technical support teams, this dynamic resource delivers real-time answers, user-friendly search tools, multiple types of content, and easy ways to connect with Hach experts.

Visit: www.hach.com/industries/maritime

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