



Chemical dosing and control system for engine cooling waters

There is an increasing focus in the marine industry to improve crew safety and working conditions. This is driven by rules and regulations such as MLC 2006. On board ship, the majority of our water treatment chemicals are handled manually, which poses a risk to the crew. Solutions to reduce or eliminate chemical handling will provide improvements to crew safety and give the additional benefit of improving the surety of chemical application and the protection of your valuable equipment.

Nalfleet™ Aquaguard CW is designed for the application and control of closed system corrosion inhibitors used to protect engine cooling systems. The conductivity of the engine cooling water is directly proportional to the level of corrosion inhibitor.

The Aquaguard CW system will continuously monitor the conductivity of the engine cooling water and automatically apply inhibitor to control at the advised set point.

The corrosion inhibitor is housed in a protective bund and dosed direct from the drum. This reduces the need for chemical handling and provides an improvement to health and safety and saves on manpower.



Features

- Continuous monitoring and application of corrosion inhibitor
- Dosage is delivered direct from the drum
- Low level alarms
- Bunded drum enclosure
- Rugged stainless steel construction

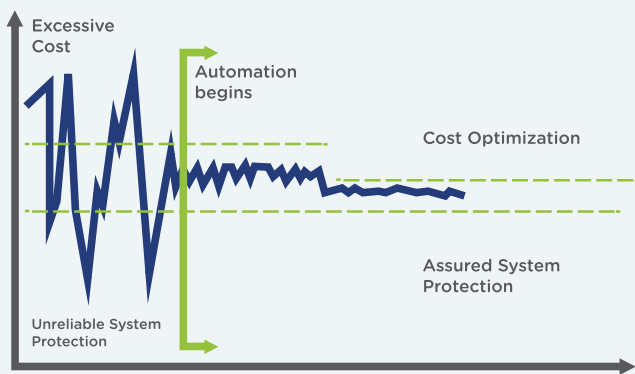
Benefits

- Surety of application and optimised system protection
- Reduced chemical handling and improved health and safety
- Simple indication of drum replacement
- Spill capture
- Suitable for the marine environment



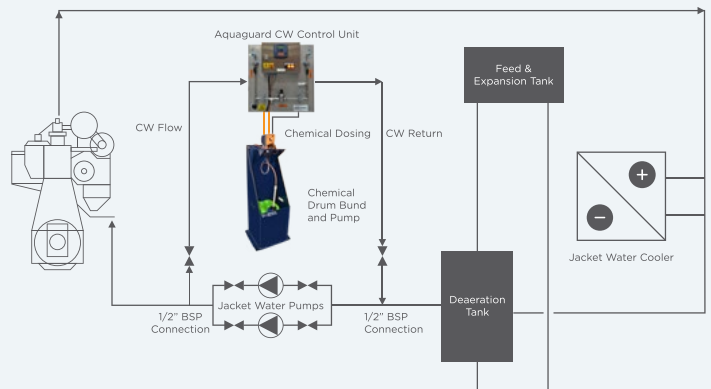
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Automatic vs manual chemical application



Automation improves control and system protection whilst optimising chemical usage.

Typical installation layout



In order to circulate a representative sample of the engine cooling water across the conductivity sensor it is necessary to simply connect the 1/2" BSP, inlet and outlet connections to flow and return pipes around the jacket water system. Please refer to the Aquaguard CW manual for more detailed drawings and installation instructions.

AQUAGUARD CW - EQUIPMENT AND ACCESSORIES

Description	Unit of supply	Part no.
Aquaguard CW - Dosing control system on back panel with anti-vibration mounts. Pre wired to plug in to BETA dosing pump.	1	778907
BETA dosing pump - 0 - 2.1 lit/hr, 16bar	1	773184
Drum bund - to hold 25lit drum	1	778909
Chemical suction and level switch assembly - 6x4mm	1	619692
Spectrapak 309 test kit - Nitrite, Chloride, pH	1	739466

Please consult your local WSS representative for a detailed proposal.