



Chemical dosing and control system for marine boilers

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 BW is designed for the application and control of chemical treatment programmes for steam boiler systems.

The Aquaguard BW system is configured to apply boiler treatment chemicals in proportion to boiler feed water flow.

Boiler treatment chemicals are housed in protective bunds 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

- Proportional dosing of boiler treatment chemicals
- Dosage is delivered direct from the drum
- Low level alarms
- Bunded drum enclosures
- Rugged stainless steel construction

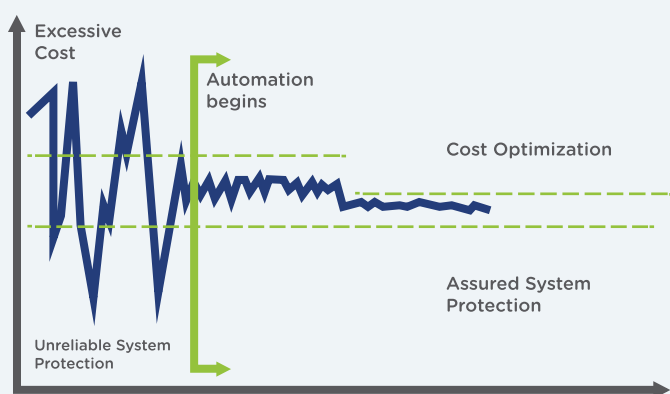
Benefits

- 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



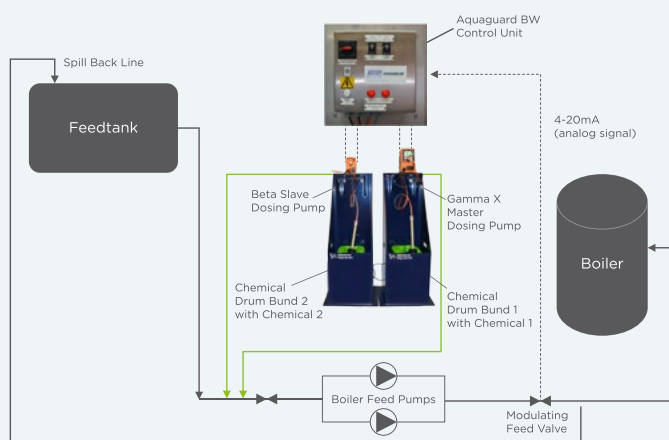
NALFLEET™ AQUAGUARD BW Chemical dosing and control system for marine boilers

Automatic vs manual chemical application



Automation improves control and system protection whilst optimising chemical usage.

Typical installation layout



A typical installation shows the signal from the boiler feed pumps linked to the Aquaguard BW controller and proportionately driving the chemical dosing pumps. Boiler treatment chemicals are dosed into the feedwater suction line for good dispersion. Please refer to the Aquaguard BW manual for more detailed drawings and installation instructions.

AQUAGUARD BW - EQUIPMENT AND ACCESSORIES

Description	Unit of supply	Part no.
Aquaguard BW - 3 pump system. Can be operated from feed pump signal and manual or timer mode	1	778913
Aquaguard BW - 2 pump system. Can be operated from feed pump signal and manual or timer mode.	1	778921
GAMMA X dosing pump	1	778926
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
Hot water injector - 200°C, 6 x 4mm	1	778908
Universal control cable - 5m	1	778919
Universal control cable - 10m	1	766408
6mm PTFE double walled dosing tube (1m)	1	778928

Please consult your local WSS representative for a detailed proposal.