



AQUACARE
Water Hygiene

Water Treatment

Pre-treatment of water entering cooling systems and steam boilers is a requirement under ACoP L8 and BS 2486:1997

Under the HSE's Approved Code of Practice L8 (Legionnaires' disease: The control of Legionella bacteria in water systems) and BS 2486:1997 (Recommendations for treatment of water for steam boilers and water heaters), water pre-treatment is seen as a necessity to minimise scale and sludge deposition.

Pre-treatment may take the form of a simple base exchange water softener or, in the case of high pressure boiler applications, a more complex demineralisation plant or reverse osmosis unit may be required.

Scale is the result of high levels of calcium and magnesium salts in the incoming water supply. If untreated, scale forms on heat transfer surfaces due to evaporation of water. It acts as a thermal barrier, decreasing heat transfer leading to increased fuel costs and - in the case of cooling tower circuits - providing a 'hide-out' for bacteria such as Legionella.

Keeping heat surfaces clean, free from scale and sludge provides the user with the confidence that they are getting the best from the systems they have installed. AquaCare can advise on the appropriate choice of equipment – and will install and maintain it.



The introduction of water treatment chemicals into these systems is paramount in order to control scale and sludge build-up and minimise corrosion. Ensuring the application of the correct level of chemical treatment is an integral part of the overall treatment strategy for steam boilers and cooling systems.

Proportional dosing of chemicals ensures that the right level of chemical is applied at the right time and in proportion to the volume of water that is being used:

- Flow-proportional water metering to ensure dosage accuracy
- Continuous measurement and control of residual biocide levels
- Dosage level maintenance for continuous disinfection of the incoming water

System bleed or blowdown is as important as the introduction of chemicals: lack of bleed can lead to an over-concentration of chemicals that can, in turn, lead to plant failure.

We can advise on the appropriate choice of metering equipment as part of your overall treatment strategy.



Water Hygiene

Heating

Insurance

Bathrooms

Drains

Plumbing

Developers



AquaCare Water Hygiene Services provides a complete water hygiene and treatment service, helping organisations meet the requirements of Health and Safety at Work, Approved Code of Practice (ACoP) L8 and the Water Supply (Water Fittings) Regulations. Our customers enjoy peace of mind knowing their reputation - and the health and safety of their clients and customers - is in safe, professional hands.



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WATER