

## Legionella Training: Control in Hot & Cold-Water Systems

**(HXT-W04) City & Guilds Accredited Programme**  
**1-day Course**

### Is This The Right Course For You?

This course is designed for staff that intend to routinely complete semi-skilled tasks associated with controlling the risk of legionella bacteria in hot & cold-water systems.

These could include such tasks as:

- TMV servicing
- Cold Water Storage Tank Inspections
- Basic microbiological sampling
- Inspection and cleaning of calorifiers
- Expansion vessel purging

Those persons will typically be maintenance staff, but also may be Responsible Person/s and/or Deputy Responsible Person/s who require deeper practical knowledge.

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### **PLEASE NOTE:**

Learners who wish to attend this course **MUST** have a good level of industry experience or have taken a recognised Legionella Awareness training course, such as our own HXT-W01 Course.

For the live web-conference dates of HXT-01 please [VIEW HERE](#)

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### How Long Does This Course Take?

This is a 1-day course and is delivered in a classroom environment.

Available dates and locations can be found [HERE](#).

Alternatively, this course can be delivered on-site at your premises subject to a minimum number of delegates. For more information please [CLICK HERE](#)

### **When Will You Get Your Certificate?**

Electronic City & Guilds Accredited Certification is normally complete within 5 working days

**Please see overleaf for the full course synopsis**

## What You Will Learn

We Will Teach You...	So That You Will Be Able To...
1. Know how legionella bacteria enter water systems and how we may contract legionnaires' disease.	<ul style="list-style-type: none"> <li>Identify the conditions that allow Legionella bacteria to proliferate in water systems</li> </ul>
2. Understand legionella bacteria	<ul style="list-style-type: none"> <li>Identify the illnesses caused by legionella bacteria</li> </ul>
3. Know legionella illnesses / symptoms / susceptibility	<ul style="list-style-type: none"> <li>Identify groups of people considered more susceptible</li> </ul>
4. Know routes of transmission	<ul style="list-style-type: none"> <li>Know the differing ways legionella bacteria can enter the lung</li> </ul>
5. Understand pneumonia and legionella's impact within the lung	
6. Know conditions that legionella favour for proliferation	<ul style="list-style-type: none"> <li>Define biofilm</li> <li>Identify materials suitable to line cold water cisterns</li> </ul>
7. Understand aerosol generation.	
8. Know the basics behind ACOP L8 and HSG 274	<ul style="list-style-type: none"> <li>Know what ACOP L8 and HSG 274 stands for and its recommendations</li> </ul>
9. Know the importance of the management pathway	<ul style="list-style-type: none"> <li>Know the stages involved in the implementation of a management pathway</li> </ul>
10. Know the basics behind legionella risk assessment	<ul style="list-style-type: none"> <li>Know the circumstances that should lead to a review of the risk assessment.</li> </ul>
11. Know the importance of the written scheme	<ul style="list-style-type: none"> <li>Specify what a written scheme is</li> </ul>
12. Know the systems that represent a reasonably foreseeable risk	<ul style="list-style-type: none"> <li>Identify (at an introductory level) the associated risk with cooling systems</li> </ul>

13. Know inspection / monitoring of hot and cold-water systems	<ul style="list-style-type: none"> <li>Identify the recommended HSE temperatures for hot &amp; cold-water systems</li> </ul>
14. Know the method of temperature monitoring	<ul style="list-style-type: none"> <li>Demonstrate the knowledge of how to take a hot and cold-water temperature.</li> </ul>
15. Know the different methods of control used in water systems	<ul style="list-style-type: none"> <li>Identify the different methods of controls used in domestic water systems</li> </ul>
16. Know the requirements for a compliant cold-water storage cistern	<ul style="list-style-type: none"> <li>Identify various parts of a compliant cold-water storage cistern</li> </ul>
17. Know the method of flushing little used outlets	<ul style="list-style-type: none"> <li>Demonstrate the knowledge of how to safely flush a little used outlet.</li> </ul>
18. Know where the water regulations apply	<ul style="list-style-type: none"> <li>Identify fluid category's</li> <li>Know the risks for the different fluid category's</li> <li>Know why the water regulations were brought in</li> </ul>
19. Know the method of purging a calorifier drain	<ul style="list-style-type: none"> <li>Demonstrate the knowledge of how to safely purge water from the drain of a calorifier</li> </ul>
20. Know the method of cleaning, disinfecting and descaling showers and spray taps	<ul style="list-style-type: none"> <li>Demonstrate the knowledge of how to clean, disinfect and descale showers and spray taps</li> </ul>
21. Know the emergency procedures when a system goes out of control	<ul style="list-style-type: none"> <li>Know when to flush a system that is not under control</li> <li>Know when and how to sample a system that is not under control</li> </ul>
22. Know the method of cleaning & disinfecting of systems	<ul style="list-style-type: none"> <li>Demonstrate the knowledge of how to clean and disinfect hot and cold-water systems</li> </ul>
23. Know the specific requirements for TMV's	<ul style="list-style-type: none"> <li>Know what is required for maintenance on a TMV and the frequency</li> <li>Know what is involved with the commissioning of a TMV</li> </ul>
24. Know the requirement for inspection and cleaning of calorifiers	<ul style="list-style-type: none"> <li>Identify methods of inspecting &amp; cleaning calorifiers</li> <li>Identify the frequency of inspections of calorifiers</li> </ul>
25. Know the requirement for flushing of expansion vessels	<ul style="list-style-type: none"> <li>Identify the frequency and how to flush expansion vessels</li> </ul>