



CLEAN & DISINFECTION OF HOT & COLD WATER SYSTEMS PRACTICAL COURSE

1 DAY OPEN CLASSROOM

TRAINING OVERVIEW

This course is designed for those who are or wish to carry out clean & disinfections of hot and cold-water systems.

COURSE AIMS

The fundamental aims of the course are to provide delegates with the knowledge and health and safety information required to safely and successfully carry out disinfections on hot & cold-water systems with practical elements.

DURATION

1-day course classroom based commencing at 10:00 hours, ending at no later than 16:30 hours, with a 60-minute lunch break.

LEARNING OUTCOMES

Develop or reinforce knowledge of:

1. The reasons for the need for disinfections of hot & cold-water systems & the different methods that can be used:
 - Occasions when disinfections are required.
 - Waterborne pathogens.

HXT-W16

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member of our
sales team

2. Know the legal statute requirements involved with disinfections of hot & cold-water systems:
 - Health & Safety at Work Act 1974.
 - Control of Substances Hazardous to Health.
 - Confined Space Regulations.
 - Working at Height Regulations.
3. Know the practical steps required to carry out safe and successful disinfections of hot & cold-water systems using different methods:
 - Sodium Hypochlorite.

BENEFITS FOR THE EMPLOYER

- Compliance with the "L8 Fourth Edition" code of practice and HSG 274-part 2 Technical Guidance.
- Able to carry out safe disinfections on hot & cold-water systems.
- More effective control of the risk associated with bacterial issues.
- Reduced risk of associated moral / legal / financial implications associated with prosecution for poor disinfection work.

BENEFITS FOR THE DELEGATE

Practical courses focus on learning by doing, allowing you to directly apply theories in real-world scenarios. This hands-on experience helps you build confidence and competence in performing specific tasks or using tools, equipment and chemicals associated with the Hot & cold tank clean and disinfections.

There is some classroom theory involved but combining practical elements with some theoretical knowledge ensures a well-rounded education. The best choice often depends on your learning style, career goals, and the subject matter.

- Practical course simulate workplace environments, providing experience directly aligned with industry needs.
- You gain exposure to the tools, techniques, and practices used in the field, making you job-ready upon completion.
- During hands-on activities, instructors can provide instant feedback, helping you identify mistakes and correct them in real-time.
- Practical courses are generally more interactive and engaging, reducing the monotony often associated with traditional classroom settings.
- Working alongside peers in a practical setting can foster collaboration, build teamwork skills, and expand your professional network.
- Suitable for different learning styles, for kinaesthetics learners who learn better through movement and action, practical courses are often more effective than class room or textbooks.

Training Content to be covered (The learner will)	Assessment Criteria (The learner can)
1. Basic Legionella awareness.	• Knowledge of waterborne pathogens including Legionella.
2. Occasions when disinfections are required.	• Aware of when disinfections are required.

3. Legislative requirements.	Know what does the guidance HSG 274 part 2 recommend.
4. Health & Safety requirements entering confined spaces.	Understand the importance of confined space requirements and the equipment needed for work inside CWS tanks.
5. pH & its effectiveness on the chemical in use.	Be aware of the need to check pH of water before a disinfection.
6. CWS tank Cleaning & Disinfection process.	Know the full practical elements of the tank Clean and disinfection.
7. How air locks occur.	Knowledge of how to prevent and remove airlocks using different methods.
8. Clean and disinfection equipment/tools.	Understand what kit is required to carry out a successful clean and disinfection.
9. Chlorine testing procedures.	Knowledge of the best kit and procedure for testing for chlorine.
10. Chemical's used.	Know how much chemical to be used to complete a successful and safe clean and disinfection, complete with understanding the safety equipment needed when working with such chemicals.

WHAT CERTIFICATION WILL YOU ACHIEVE?

On successful completion of this 1 day City & Guilds Accredited training course, delegates will receive an electronic copy of their certificate for Clean & Disinfection of Hot & Cold Water Systems Practical. This certificate should be refreshed every two years.

HOW IS THIS COURSE DELIVERED?

Learning will come in a classroom environment in the form of trainer explanation, group discussions, videos, practical classroom exercises and will be broken up with breakout sessions.

DO YOU NEED TO BRING ANYTHING WITH YOU?

- Photographic ID
- Chemical protection goggles, gloves (disposable gloves are not suitable) , safety foot wear and clothes

RELATED COURSES

Delegates undertaking this course may also be interested in the following City & Guilds accredited training courses:

**HXT-W01**

ON-SITE **LIVE WEB-CONFERENCE**
OPEN CLASSROOM

LEGIONELLA AWARENESS
1 Day (Open Classroom)
3 Hours (Live Web-Conference)

**HXT-W12**

ON-SITE **LIVE WEB-CONFERENCE**
OPEN CLASSROOM

DISINFECTION OF DOMESTIC SYSTEMS
1 Day (Open Classroom)
3 Hours (Live Web-Conference)

**HXT-W26**

ON-SITE **OPEN CLASSROOM**

CALORIFIER INTERNAL INSPECTION & GASKET MAKING PRACTICAL
1 Day (Open Classroom)