**Clean In Place (CIP)** 

This course is designed for Operators, Supervisors and for anybody involved in the handling of chemicals.

Topics include: Water quality, chemical types, operation of CIP Circuits, safe taking and analysing of samples, identifying faults, carrying out titrations and sample swabs of equipment, optimization of CIPs and troubleshooting.

***Note:*** *Please make Water Technology aware if any additional learning support is required.*

Aims: Understand the operation and criteria surrounding CIP function

Objectives:

* + Recognize the hazards and dangers of working with chemicals
	+ List the types of CIPs
	+ List the requirements of a CIP
	+ Describe different spray heads and their function
	+ State the energies required for cleaning
	+ Recognize different chemicals and detergents used in CIP and their function
	+ Describe 3 ways to optimise a CIP
	+ Have an understanding of CIP validation process

**Duration**

2 hours

**Assessment:** Multiple choice question paper. 70% minimum is required to achieve a pass rate.

**Delivery:** Classroom based

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