



AUTOCLAVE STERILISERS

Aim of Course

To provide an introduction to the concept of steam sterilisation and how autoclaves are used to achieve the desired results. It addresses the subject from a theoretical perspective but also has a strong practical element with regards to typical tests to be conducted when calibrating autoclave instrumentation.

At the end of this course, it is expected that the attendees will have learned of the history of the development of the autoclave steam steriliser along with the underlying principles of operation of the autoclave cycle, as well as those of the control and measuring instruments that may be used on an autoclave.

Pre-Requisites for attending this course

- Temperature Metrology Part 1 is highly recommended (not a pre-requisite)
- Experience in pressure measurements would also be an advantage

Course Overview

- Introduction
- History & principles of sterilisation
- Autoclaving & types of sterilisers
- Autoclave design principles
- Autoclave instrumentation
- Instrument calibration
- Temperature mapping
- Load testing
- Uncertainties of measurement

Who should attend

Anyone who has a direct interest in steam sterilisation and the use and validation of autoclaves.

Attendees are drawn from those who have little knowledge of sterilisation but are responsible for the running of an autoclave; to those who understand the basic principles of sterilisation but who wish to have a greater understanding of how to ensure that the machines operate in a satisfactory fashion, i.e. Calibration & Validation.

Course Duration

1 Day

Evaluation

Attendance of the course and the passing of a final examination are required in order to successfully complete this course.

The examination will be written approximately two weeks after the completion of the course.

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