

PUMP & COOLING TOWERS

OVERVIEW

This course covers both the theories and practical applications of pumps and cooling towers in buildings. The course leader will assist the participants to understand the fundamental theories of water pumps, highlighting the important requirements for proper installations. In the application of the water pumps, different system configurations will be introduced. Emphasis will also be made in the area of energy saving regarding the design and operation of the pumps. This course will also cover the service maintenance of water pumps.

TARGET MARKET

- Facilities and Maintenance technicians, engineers and managers
- Test, utilities, plant, process, control engineers and managers

COURSE OUTLINE

- Introduction
- Pump theory
- Centrifugal pumps
- Pump installation
- System back pressure & pump curves
- Application of pumps in chilled water
- Application of pumps in cooling water system

OBJECTIVES

- Describe the operation of basic cooling water system
- Describe what occurs in the tower during the cooling process
- Describe the operation of various types of cooling towers
- Explain how cooling occurs in a cooling tower
- Describe the general design and operation of the natural-draft and mechanical-draft cooling towers: induced-draft towers and forced draft towers



SBL CLAIMABLE



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