



THE LAB EQUIPMENT

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**Product Name :**

Heat Exchanger

**Product Code :**

SLE/EA/17



## Description :

- The hot water system gives stable flow rates and temperatures.
- The hot and cold fluid streams have different connectors to reduce errors.
- An electrically operated valve opens to let water in to fill the tank.
- Thermocouples at the connectors measure hot and cold inlet and outlet fluid stream temperatures.
- Some heatexchangers also have built-in thermocouples for extra temperature measurements.
- Clear, multiline digital displays show the temperatures and flow rates of the fluid streams.
- The tank has protection in case of over temperature, low water level and overfilling.
- It provides hot and cold water to the heat exchangers and all the instruments needed to measure their performance.
- All fluid connections to the optional heat exchangers are self-sealing quick connectors – for safety and simplicity.
- The services module's cold water circuit has a flow regulator and connection for an external mains water supply.
- Both the cold and hot water system have precision needle valves and turbine flow meters to control and measure the flow rates.
- All optional heat exchangers have the same nominal heat transfer area and wall thickness, so students can compare them directly.

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