

Finned Tube Heat Exchanger



Product Categories: [Engineering Equipment](#), [Heat Transfer Lab](#)

Product Page: <https://www.labappara.com/product/finned-tube-heat-exchanger/>

Product Description

Finned Tube Heat Exchanger

Heat exchangers are widely used in various industries. Finned tube Heat Exchanger is a Tube-in-tube type heat exchanger. The inner tube is of copper tube with fins on the outside surface. Hot water flows through inner tube and cold fluid flows over the inner tube in outer tube. The flow rate of hot & cold fluid is measured with the help of measuring cylinder & stopwatch. Inlet and outlet temperatures of fluids are measured with the help of digital temperature indicators. A magnetic drive pump is used to circulate the hot water from a re-cycled type water tank, which is fitted with heaters and Digital Temperature Controller.

Features:

Strong construction

Compact design

Long functional life

Non-interrupted performance

Technical Specifications:

System: Water To Water, Concentric Tube Type

Inner Tube: Dia 32 mm Approx., Length 500 mm (Made Of Stainless Steel)

Longitudinal Fins: Width 20 mm, Length 500 mm, 6 Nos (Made Of Stainless Steel)

Water Flow Measurement: Rota-meters For Hot And Cold Fluid

Hot Water Tank: Made Of Stainless Steel Double Wall, Insulated With Ceramic Wool

Hot Water Circulation: Magnetic Pump Made Of Polypropylene To Circulate Hot

Water Maximum Working Temperature Is 85°C

Heaters: 2 Kw Nichrome Wire Heater (2 Nos.)

The whole set-up is ingeniously designed and schematically arranged on a powder-coated rigid structure.

Control Panel:

Digital Temp. Controller: 0-199.9°C. (For Hot Water Tank)

Digital Temp. Indicator: 0-199.9°C, with Multi-Channel Switch.