

**Product Name :**  
Heat Transfer In The Tubular Heat Exchanger

**Product Code :**  
DM554



**Description :**

Heat Transfer In The Tubular Heat Exchanger

**Technical Specification :**

Heat Transfer In The Tubular Heat Exchanger

Convective heat transfer on a model of a tubular heat exchanger

Parallel flow or counterflow operation adjustable via ball valves

Closed hot water circuit, insulated, with tank, pump and heater with thermostat

Temperature sensors: inlet and outlet temperatures as well as after half the heat transfer path

Flow measurement via 2 impeller flow rate sensors

Software for data acquisition via USB under Windows 10

Technical data:

Pump

Power consumption: 70W

Flow rate: 3300L/h

Head: 4m

Heater

Output: 2kW

Thermostat: 20...85°C

Heat transfer surfaces

Hot side: 0,0306m<sup>2</sup>

Cold side: 0,0402m<sup>2</sup>

Average transfer surface: 0,0354m<sup>2</sup>

Tank: 20L  
Measuring ranges  
Temperature: 6x 0...100°C  
Flow rate: 2x 0...360L/h  
230V, 50Hz, 1 phase

## Naugralabequipments

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