

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: 0,0306m²
Cold side: 0,0402m²
Average transfer surface: 0,0354m²

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

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