

WET COOLING TOWER

RU 091

Description:

Wet cooling towers are a proven method of closed-circuit cooling and heat dissipation. Typical areas of application are: air conditioning, heavy industry and power plants. In wet cooling towers the water to be cooled is sprayed over a wet deck surface. Water and air come into direct contact in the counter flow. The water is cooled by convection. Some of the water evaporates and the evaporation heat removed further cools down the water.

Specifications:

- Air fan
- Heaters 0.5 Kw and 1 Kw
- Sensors for measuring temperature
- Manometer
- Feed tank
- Transparent plexiglass channel
- Electrical control panel with displays and switches
- Make up tank
- Rotameter
- Pump
- Plexiglass packings
- Water distribution system
- Wheeled Carbon steel structure
- Installation and training video included
- Instructions manual included
- 10-year warranty

Note: Direct contact with the sales department is required to confirm the last updated technical specifications and pictures.

Applications:

1. Investigation the effect of air speed parameters on the rate of mass transfer
2. Validating the first law of thermodynamics through experiment
3. Examining the psychometric curve of the water cooling process by air
4. Examining the law conservation of mass

Required For Operation:

- 220V Single Phase Electricity
- Distilled Water
- Desirable Temperature (°C): 10-30
- Relative Humidity: 15% - 80%

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Dimensions (L*W*H) mm:1300x 650 x 1200

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