

*Passion for Cooling*

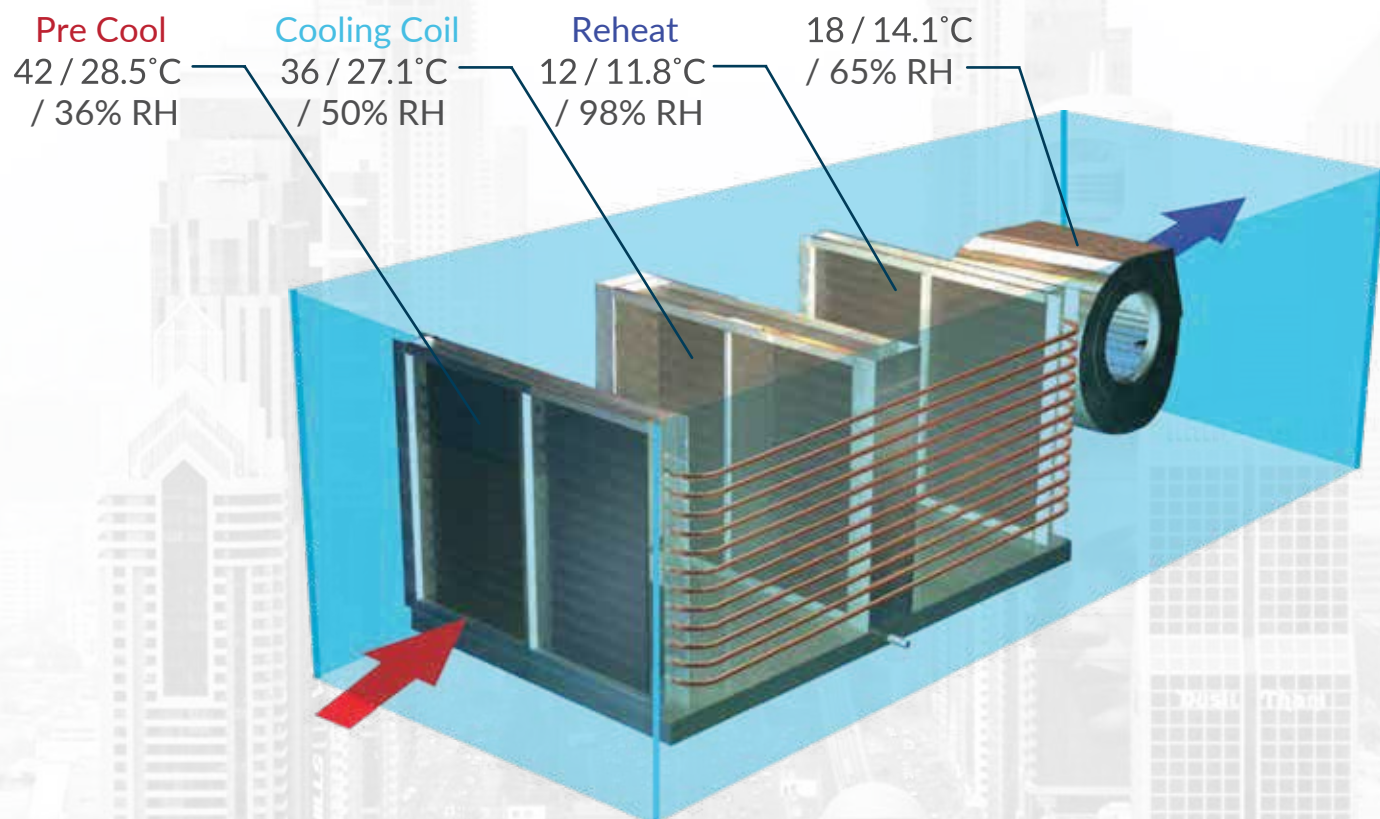


Dolphin  
Heat Pipe



## Wrap Around Heat Pipe

Wrap-around Heat Pipes consist of two sections. The Precool Coil, positioned in the incoming airstream, precedes the Cooling Coil. As warm air flows over the Precool Coil, the liquid refrigerant inside it vaporizes, absorbing heat. This heat is then transferred to the Reheat Coil, which is located after the Cooling Coil. The air, having been cooled by the Cooling Coil, passes through the Evaporator Coil, leading to significant moisture removal. Finally, the Reheat Coil uses the heat absorbed earlier by the Precool Coil to warm the excessively cooled air to the desired temperature, maintaining a lower humidity level.



Commonly used in various settings like Hospitals, Shopping Centers, Hotels, Libraries, Schools, Colleges, Military Bases, and Government Buildings, Wrap Around Heat Pipes offer numerous benefits:

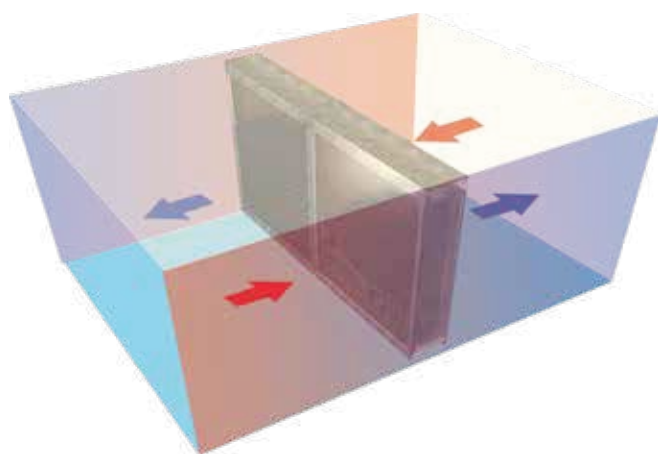
### Wrap Around Heat Pipes Advantages

- Operates without any direct energy consumption
- Free of moving components
- Entirely passive operation
- Capable of extracting up to double the moisture
- Eliminates the need for reheat or desiccant systems
- Simplifies condensation drainage
- Requires minimal maintenance
- Safe for the environment
- Enhances indoor air quality, contributing to a healthier environment



## Vertical/Horizontal Heat Recovery Heat Pipes

These heat pipes are designed to transfer heat from the waste airflow to the incoming air stream efficiently. They offer an economical solution with minimal setup expenses and no operational costs. The effectiveness of this heat transfer process can reach up to 75%.



The primary benefit of this technology lies in its diverse applications across various industries, including Manufacturing, Hospitals & Health Care facilities, Clean Rooms, Data Centers, and more, where maintaining low humidity levels is essential.

### Key Advantages:

- Requires no direct energy input
- Compatible with Duct and Air Handling Units (AHUs) installation
- Minimizes air pressure drop
- Ensures zero cross-contamination
- Operates passively without active input
- Facilitates easy drainage of condensation
- Demands virtually no maintenance
- Safe for the environment
- Promotes a healthy environment by significantly improving indoor air quality

### General Specifications

Tube	Copper
Fins	Aluminium / Copper Hydrophilic Precoated - Blue in shade Thermoguard coating - Silver in color Heresite coating - Brown in shade
Casing	Galvanized / Stainless Steel



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