

# DBK Solution for HVAC & ventilation systems



## PTC Pre-heaters & Re-heaters.

Heat exchanges transfer thermal energy from exhaust air to intake air. While the exhaust air’s moisture saturation remains nearly constant, moisture can gather in the heat recovery unit. Consequently, if the system is exposed to low intake air temperatures, there is a chance for ice formation within the system. Heat exchanges with air pre-heaters can easily be operated at temperatures way below freezing, and unrestricted airflow with heat recovery is guaranteed during winter months. Additionally, air re-heaters can be integrated to further heat intake air and to increase energy efficiency. DBK’s Heater Modules are PTC air heaters with delta fins in compact enclosures with finger guard and connection cable for easy integration. Their delta-shaped fins guarantee great performance at minimum pressure drop. If needed, the heater can be fitted with built-in electric control to precisely regulate power input and to save even more energy.



**Design study: Circular plug-and-play solution for ventilation ducts**

**Features**

- Power up to 2kW
- Enclosure with connection cable for easy integration
- Finger guard against contact with hot live parts
- Great performance at minimum pressure drop
- 50+ percent less pressure drop compared to HRI with v-shaped fins

[heatermodule.dbk-group.com](http://heatermodule.dbk-group.com)