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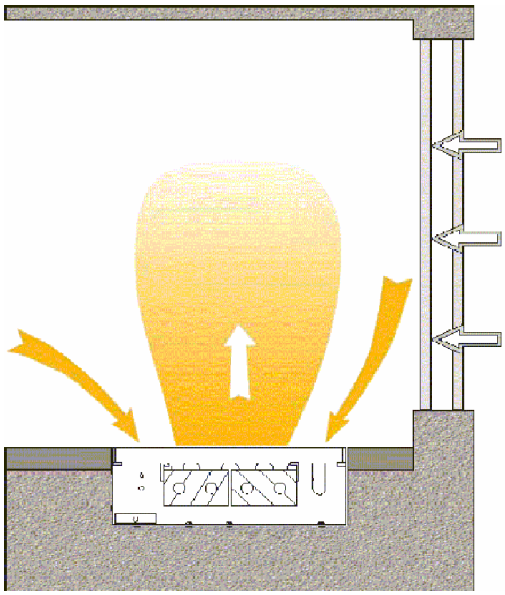
Floor Convectors

Floor Convectors

- TK natural convection heating
- TKV forced convection with fan heating
- TKH forced convection with fan heating and cooling

TK – Natural Convection

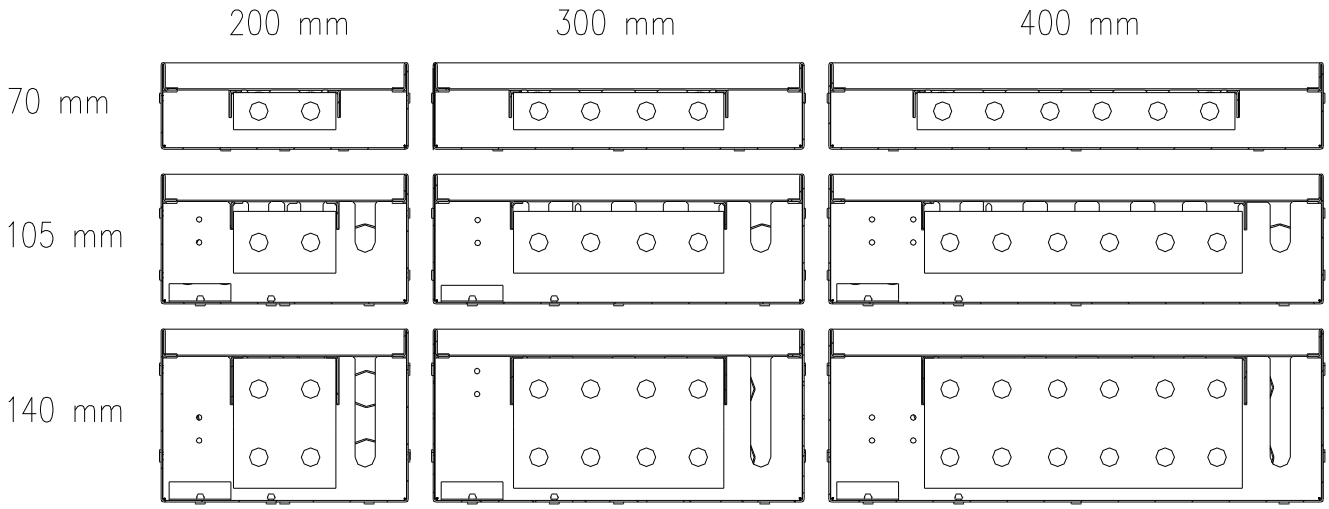
Principle of operation: Natural air circulation



Warm water from the central heating system is fed into the heat exchanger and the generated heat is transferred to the air in the convector.

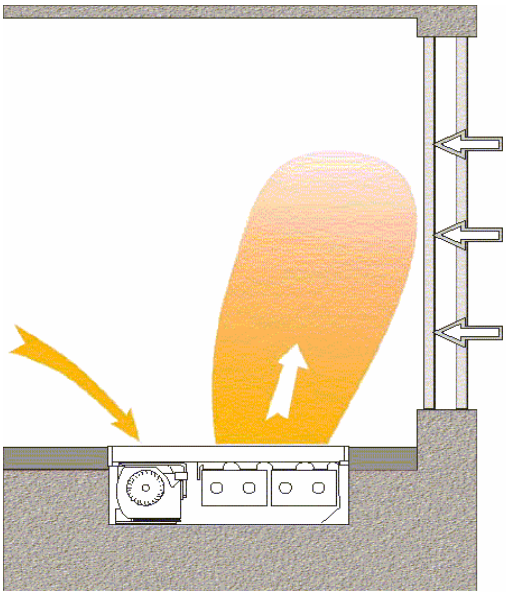
The heated air rises in the room due to the natural convection.

- Heating capacity: 70 W – 3700 W
- Temperature: 75 °C / 65 °C / 20 ° C (water – inlet / water – outlet / air)
- Length: From 800 – 5000 mm
- Width: 200, 300 and 400 mm
- Height: 70, 105 and 140 mm



TKV – Forced Convection

Principle of operation: Forced air circulation with tangential fan

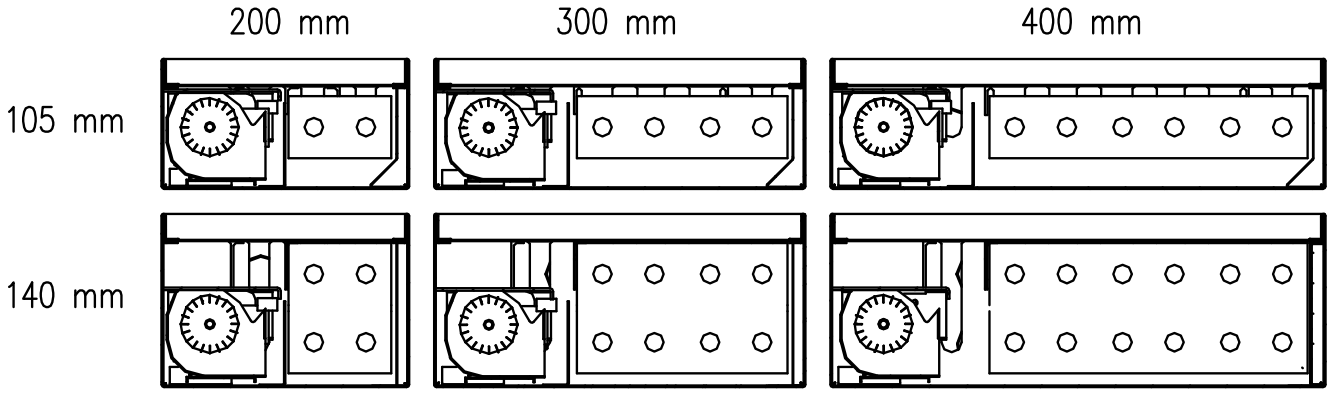


The fan draws in cold air which is heated in the convector and fed back into the room and the heated air rises up along the windows.

Forced air circulation is maintained, providing a more intensive and uniform heating.

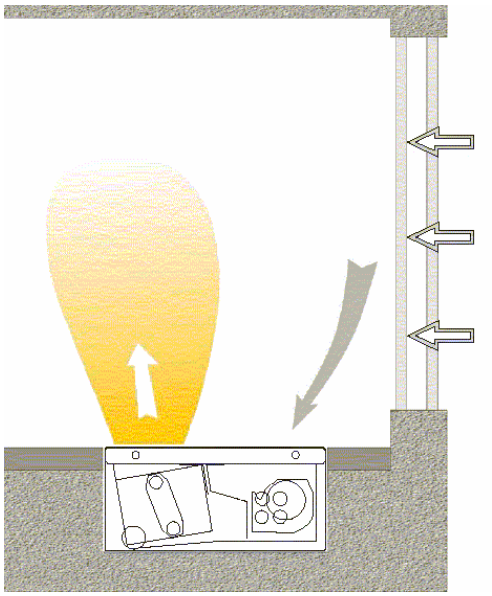
The benefits are better thermal conditions and prevention of condensation and ingress of cold air through the windows.

- Heating capacity: 130 W – 10500 W
- Temperature: 75℃ / 65℃ / 20° C (water – inlet / water – outlet /air)
- Length: From 1100 – 5000 mm
- Width: 200, 300 and 400 mm
- Height: 105 and 140 mm
- Number of fans: 1 – 5
- Fan speed: Max., Med., Min., Stop



TKH – Forced Convection, Cooling and Heating

Principle of operation: Forced air circulation with tangential fan



Cooling: The fan draws in warm air from the areas around the windows or walls, the air is cooled in the convector and fed back into the room.

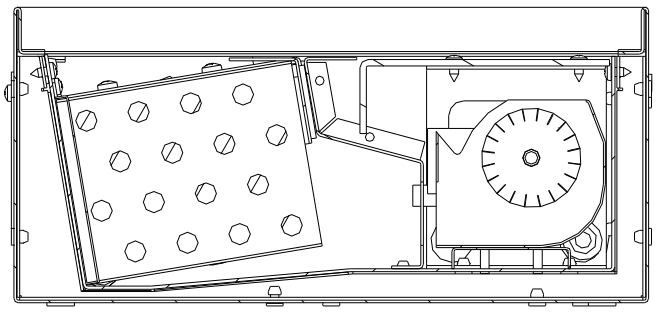
In addition, a dehumidification of the air is achieved.

Heating: The fan draws in cold air which is heated in the convector and fed back into the room.

- Cooling capacity: 440 W – 1650 W
- Temperature: 7 °C / 12 °C / 27 ° C / 47 % (water – inlet / water – outlet / air / humidity)
- Heating capacity: 940 W – 4220 W
- Temperature: 75 °C / 65 °C / 20 ° C (water – inlet / water – outlet / air)
- Length: 1250 mm, 2150 mm
- Width: 300 mm
- Height: 140 mm
- Number of fans: 1, 2
- Fan speed: Max., Med., Min.

300 mm

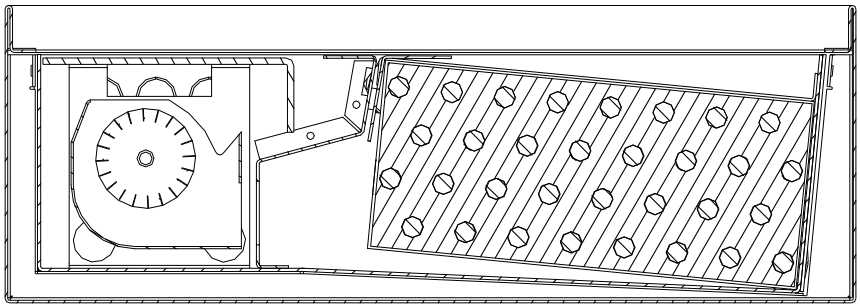
140 mm



2-pipe system

400 mm

140 mm



4-pipe system

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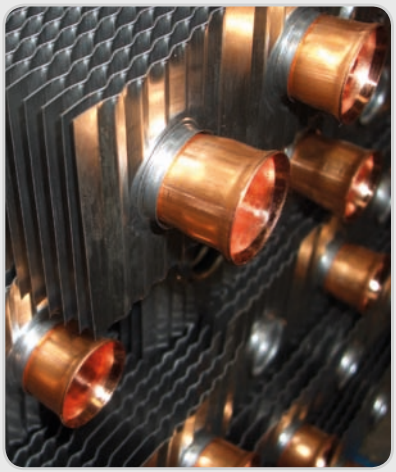

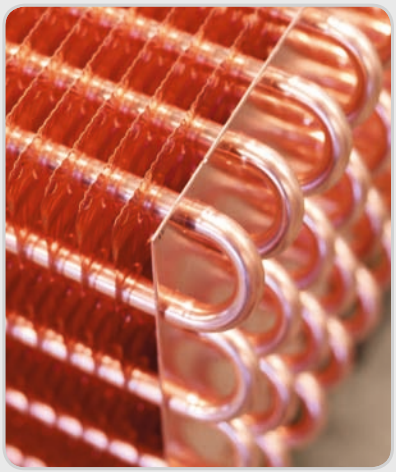
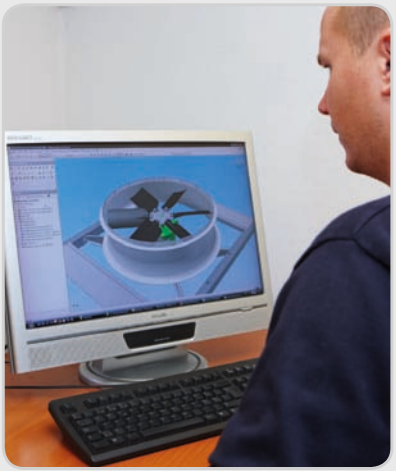
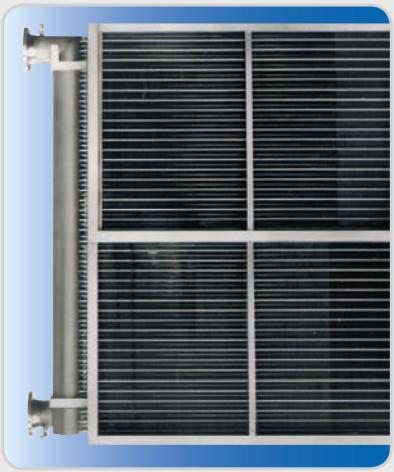

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