

THE SYSTEM AT A GLANCE

Altherma is a split system consisting of an outdoor unit and an indoor hydro-box that can be connected to all standard low temperature radiators and underfloor heating systems.

Outdoor unit

The outdoor unit extracts free low temperature heat from the surrounding air and increases its temperature. Upgraded heat is then transmitted via the refrigerant circuit to the indoor hydro-box.



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Indoor hydro-box

The indoor hydro-box transfers the heat in the refrigerant to the water circulated in the central heating radiators, underfloor heating system and sanitary hot water tank. In the combined heating & cooling version of the indoor hydro-box cooling is achieved by reducing the water temperature to 5 °C and circulating it through fan coil units. The system can also provide moderate cooling via the underfloor heating system or radiators by limiting the lowest water temperature. The preparation of sanitary hot water is performed by switching the system from cooling or heating to sanitary mode.

