

Gas Heat Pumps - Technical Background

ECO G Water Heat Exchanger for Hydronic Applications - Application Examples

Computer Room Applications

Connection to 'Close Control' Computer Equipment

When all available electrical power needed to be utilised for the IT equipment for a leading international bank, the cooling load of over 450kW needed to be powered by gas. The outdoor units were connected via Water heat



exchangers to cooling coils inside the 'close control' units thereby maintaining a conditioned environment for temperature and humidity. By utilising the hot water function, over 100kW of hot water are supplied to the building and therefore the additional benefit of considerable CO₂ savings is ensured.

This Part L design has reduced CO₂ Emissions by 26% or 166 tonnes per annum compared to electric chillers.

Specifications subject to change without notice.
Rating Conditions: Cooling Indoor 27°C DB 19°C WB, Outdoor 35°C DB 24°C WB, Heating Indoor 20°C DB, Outdoor 7°C DB 6°C WB.

Air Handling Application

Connection to Chilled Water Coils in Air Handling Equipment



When a top London restaurant opened it needed large volumes of fresh air to ensure the optimum dining environment. GHP units connected to the cooling coils within the air handling equipment ensured the air was introduced in the right condition in both summer and winter.



Chiller Replacement

Chilled Water Supply to Fan Coils

When it came for some old chillers to be replaced at the end of their operation life, GHPs with Water heat exchangers enabled the project to be carried out in stages whilst still utilising the existing water pipe work and fan coils. This enabled the project to be delivered on time, to a restricted budget and avoided all issues regarding refrigerant in confined spaces.

