

Ground Source Heat Pumps



Call your nearest branch for more information.

Imagine saving up to 70% on the running costs of your oil or LPG heating system.

Imagine having your home constantly warm and comfortable.

Ground source heat pumps provide constant warmth by heating the fabric of the building and then simply topping up any heat loss. Using an intelligent control system that monitors 7 different sensors inside and outside the home, it modulates its own output into the house according to the varying temperatures it encounters.

How?

At one metre depth the average soil temperature in the UK remains between 10 and 13 degrees. A pipe is buried at this depth and filled with a mixture of water and food friendly glycol. The mixture is gently warmed by the surrounding soil as it is pumped through the pipe.

The water mix is then passed through a series of heat exchangers and a compressor, where the heat is concentrated to 65 degrees. This then feeds the central heating radiators, underfloor heating pipes and domestic hot water tanks.

