



WATER UNDERFLOOR HEATING



Underfloor heating is the most economical way of heating your home. Water-based underfloor heating is widely used as an alternative to electrical underfloor heating throughout the world, primarily because it can use a combination of different heat sources to warm up your home. From environmentally friendly solar power, to electricity and gas.

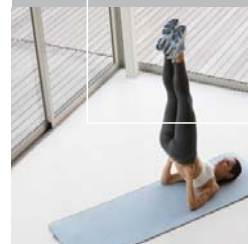
Water underfloor heating is the healthiest way of heating your home. We help create a safe and comfortable environment for you and your family, where each room in your home is the perfect temperature, no matter how cold it is outside.

If you are building your dream home, or renovating, seriously consider including water underfloor heating in your building plans.

Home Comfort installs leading Water underfloor heating systems to ensure your entire home remains at a comfortable temperature without any fuss, open flames or exposed heating elements.

BENEFITS

- **Safety** – no electro-magnetic fields associated with electrical appliances.
- **Variety** – choose from a number of alternative and complementary heat sources (solar, gas and electricity).
- **Back up** – national support from our network of Home Comfort installation partners.
- **Health** – the healthiest way of heating your home.
- **An investment** – adds to the value of your property.



At Home Comfort we do not want you to be aware of your water underfloor heating system. Our goal is to set the underfloor heating once and all you need to do is to sit back, relax and enjoy the system working for you.

The components of a water underfloor heating system are:

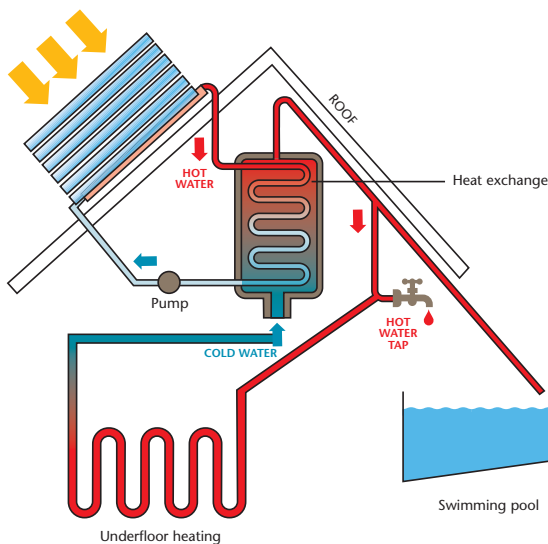
1. Pipes

The pipes are built into the makeup of the floor during the construction phase. They are extremely tough and hard, and have an oxygen resistant layer to prevent oxygen entering the water in the pipes.



Installation:

The pipes are either attached to spacers, fastened with saddles or strapped to the reinforcing.



2. Manifold

The manifold is a series of valves connecting the pipes which feed to the different rooms. The manifold in turn controls the temperature of the different rooms by opening and closing the valves as required.



3. Thermostat

A thermostat is used to control the temperature in every area. When the temperature drops below a specified temperature, the thermostat will open the water circuit to allow hot water to circulate through the pipes, heating up the area.

4. Pump

The pump circulates the hot water through the pipes to release the energy to the room where it is required.

5. Heat sources

A number of heat sources may be used to heat up the circulating water:

- Solar water heating
- Gas burner
- Electrical elements
- Heat pump



Features

Home Comfort water underfloor heating has the following features:

- **Tried and tested technology** – internationally.
- **Efficient** – installed in the screed during the building process to ensure that the energy is stored for maximum efficiency.
- **Cost saving** – the most economical way of heating your home.
- **Environmentally friendly** – if powered by solar energy.
- **10-year warranty.**



- **Compliance** – IEC, ISO 9001.



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