WELCOME TO YOUR THERMAL STORAGE SYSTEM

The hot water in your home is provided by a high-specification Thermal Storage System which will give you many benefits. Simple to operate and exceptionally efficient in operation, your PulsaCoil III Thermal Store is probably different to any water heating system you have ever experienced before. This booklet will explain why and how you can get the most from it.

PULSACOIL III - THE POWER BEHIND YOUR DOMESTIC HOT WATER

One of the most technologically advanced water heating systems available, your Gledhill PulsaCoil III is designed to fulfil three basic needs:

1. Deliver hot water at high pressure whenever you need it.

2. Operate as efficiently as possible to cost-effectively meet your household needs.

3. Deliver high quality water to every tap.

1. Delivering hot water at high pressure when you need it

Your Thermal Storage System is designed to provide all the hot water your property will normally require, and deliver that hot water at a pressure comparable with your cold water mains. That means you can enjoy power-force showers without the need for a separate pump, or fill a bath with piping hot water in minutes.

2. Operating as efficiently as possible to cost-effectively meet your household needs

Your Thermal Storage System will ensure that the energy it needs is minimised, avoiding costly use of fuel.

3. Delivering high quality water to every tap

With traditional British systems, which had a cold supply cistern in the roof space, there was always the risk that the cistern could become contaminated by dust, birds or insects. The PulsaCoil is connected directly to the cold mains and therefore, even the hot supply is pure high quality water every time.

WHAT IS A THERMAL STORE?

The Gledhill Thermal Store is the heart and brain of your hot water system. It stores hot water at a constant temperature but this is not for your taps and showers - it is used to heat the water from your mains via an efficient heat exchanger, thereby providing hot water at mains pressure for your domestic needs.

The Thermal Store is superbly insulated and so the hot water stored there loses its heat very slowly. It also incorporates an intelligent sensor which determines when the temperature drops below a pre-set level required for optimum efficiency.

Your PulsaCoil incorporates two electric immersion heaters. The lower one will heat your tank automatically when its thermostat calls. The upper immersion heater is for boost periods, when additional hot water is required. This is under your control and a one hour period is usually sufficient.

The domestic hot water outlet temperature is regulated to approximately 55°C by the electronic control system and is not user adjustable.

HOW DOES THE SYSTEM DELIVER HOT WATER AT HIGH PRESSURE?

The water delivered to the taps and showers in your home is delivered at high pressure because it uses the mains pressure on your cold water supply. The PulsaCoil is connected to the mains system and the water passes through a highly efficient heat exchanger to raise its temperature before it travels to your taps and showers. Because it is so efficient both high flow rates and high pressures are available to give the best performance for both baths and showers.

WHY ARE THERE NO CISTERNS IN THE LOFT?

Water cisterns in the loft are principally required for the traditional domestic hot water system to give a better "head" of water - which is basically determined by the height of the cistern above the tap being used. In most cases, the higher the cistern, the greater the pressure.

Because the Gledhill system uses the pressure from your cold water mains, these cisterns are not required.

And that means there are no cisterns in the loft, which removes any worries about freezing pipes, and leaves more space for storage should you decide to use it.

YOUR PULSACOIL III CONTROL PANEL

Your PulsaCoil III Thermal Store is equipped with a microprocessor control which automatically monitors the system to ensure it operates most efficiently.

Only if your hot water system should fail to operate satisfactorily do you need to consult the indicator lights on the front of the Thermal Store. If the green lights 1 and 2 are 'on' permanently, this will tell you that the system is operating correctly.

If either, or both lights go out, refer to an installer.