

Consolar Thermal Heat Stores

for solar hot water and heating



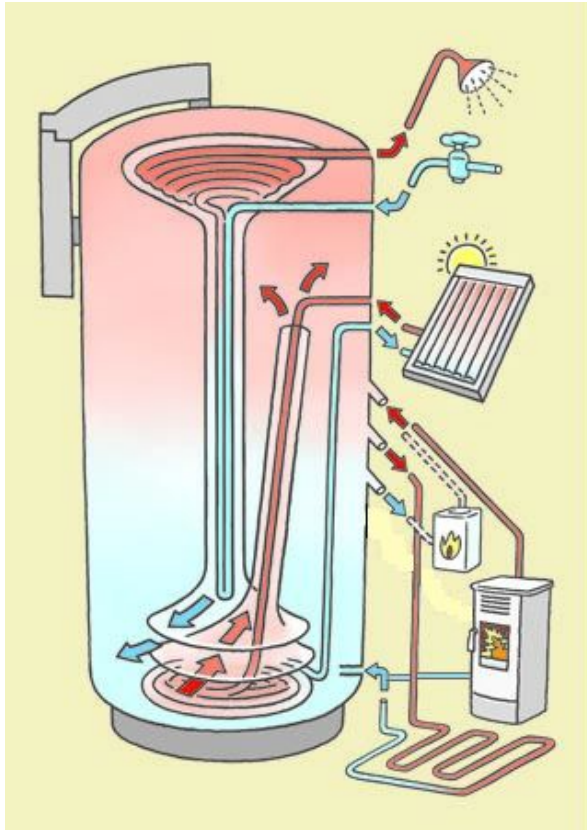
These innovative thermal stores are unique to the UK. Developed over 20 years of use in thousands of installations in Europe.

Consolar heat store benefits are:

- maximise your use of free solar energy, using **SOLAR ENERGY, DAY and NIGHT**
- produce solar hot water and make a contribution to space heating
- solar hot water is available rapidly, due to the unique stratification system
- solar heat is available even on cloudy days, because of the high storage capacity and excellent insulation
- mains pressure hot water is heated on demand
- no risk of legionella infection
- low installation and maintenance costs
- long life and eco-friendly construction
- choose from a range of thermal stores to suit your application



What is a 'thermal heat store' ?



It is a means of storing heat energy that can subsequently be used for the production of hot water or contributing to space heating.

Solar energy is absorbed by collectors on the roof and used to heat a large volume of water within the store. Thick insulation makes sure the heat doesn't leak away and if required a boiler is used to top up the heat in the store. In addition to producing domestic hot water, it can also help with space heating, particularly with low temperature systems like under floor heating.

Thermal stores are different to conventional hot water cylinders because the water is not used directly when you turn on a tap. Instead water is heated on demand by a highly efficient heat exchanger. This is similar to a combi-boiler but hot water is supplied without delay and at mains pressure. A SOLUS II 550 can provide enough hot water for 2 simultaneous showers. If a higher flow rate is required a bigger store can be used or two smaller stores connected in parallel.

The SOLUS II is designed to buffer large volumes of heat from a wood stove or oil burner.

SOLUS II Range

Type: Sealed and pressurised thermal store (accumulator)

Use: Domestic, multiple housing units, commercial

Heating source: Solar, oil or gas boilers, wood pellet stoves, batch burning wood stoves, heat pumps or any sealed system heat source

Capacities: 550, 800, 1000, 2200 litres

Types/sizes:	Comfort range			Comfort-Pro range			
	550	800	1000	550L	850L	1050L	2200L
Diameter with insulation mm	960	1060	1110	960	1060	1110	1560
Height with insulation mm	1750	1980	2060	1750	1980	2060	2060

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