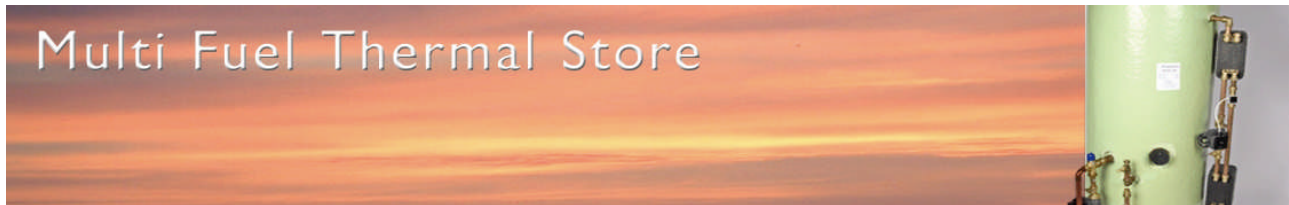


2007



Integrating Several Fuel Sources

We first introduced our Multi Fuel Thermal Store in 1997. Since then many of Powertech Solar's installations and hybrid systems have been integrated through a thermal store. The beauty of it is that it allows you to collect water heated by several means such as a solar thermal panel, air source heat pump, ground source heat pump, wood burner, range, as well as a conventional boiler. It will supply domestic hot water at mains pressure and warm water underfloor/high efficiency radiator heating systems.



Great Features!

The Powertech Multi Fuel Thermal Store features excellent twin plate insulated heat exchangers which provide domestic hot water at mains pressure on demand. There is no scale build up inside the store and there are no coils as all energy inputs are direct*, for fast heat transfer efficiency. All thermal stores include immersion heaters as backup in 3-6kW outputs.

Made to Order

Powertech Thermal Stores are designed to meet individual household demands for hot water. Sizes range from 185 litres to 900 litres. They are available with on-demand mains hot water systems as an alternative to other commercial unvented sealed systems.

Key Features

- ✓ Stores water heated by renewable energy applications & conventional forms of heating
- ✓ Ideal for hybrid systems providing heated water to multiple applications
- ✓ Highly efficient twin plate heat exchangers for providing domestic hot water at mains pressure on demand
- ✓ Open vented system for safety and minimum servicing
- ✓ Being direct and of careful design the stratification of water is exceptional
- ✓ Immersion heaters are included as backup
- ✓ Ideal for underfloor heating

Key Benefits

- ✓ Can eliminate/reduce the need for gas/oil boiler
- ✓ Mains pressure hot water on demand
- ✓ Minimal scale or corrosion in store
- ✓ Minimum servicing
- ✓ Expected 25+ years life
- ✓ Simple to install
- ✓ Works all over the world

* Coils can be added at manufacture for pressurised heat sources.

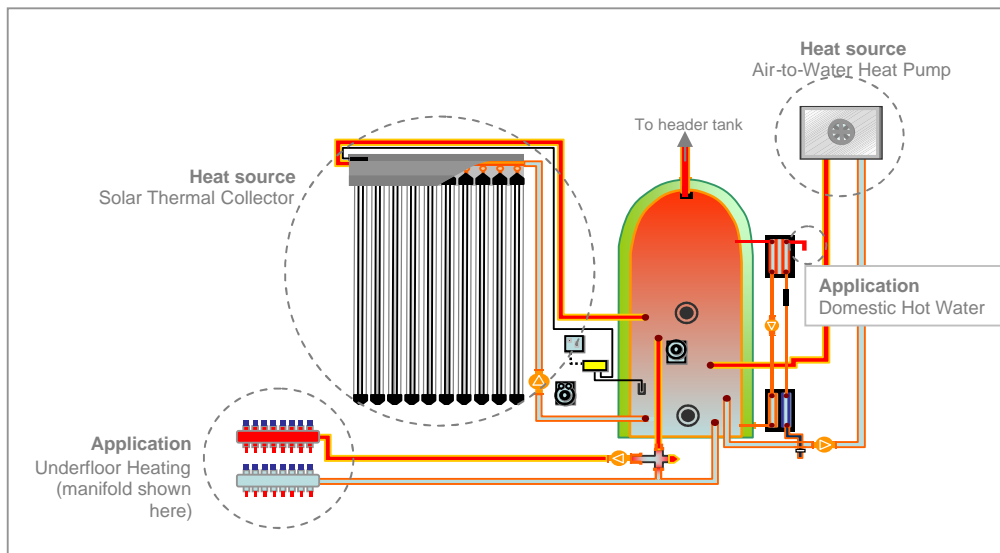


Fig. 2. Diagram of a **Thermal Store** showing examples of heat sources and applications (the thermal store can also be used for lower water content radiators) e&oe