



# standard thermal store systems

For use with gas, oil, biomass or solid fuel

Vented stainless steel thermal stores for mains pressure hot water. The direct single coil offers open vented central heating with fast heat up.

Alternatively, use the indirect twin coil with sealed heating systems and site anywhere in the property.

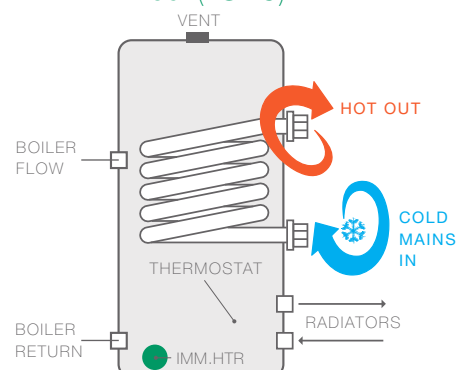
Both types are available with or without integrated cold feed and expansion sections.

- Guaranteed for 10 years
- Fitted with Hot Water Control Pack
- Simple Technology - no PCB
- Direct Version offers buffering and fast heat up of radiators
- Indirect Version for Y plan and sealed system boilers
- Mains pressure hot water
- Safe open vented store

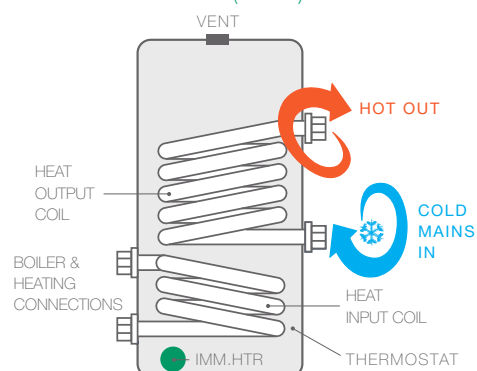


## How does it work?

### Direct (TSDC)



### Indirect (TSiC)



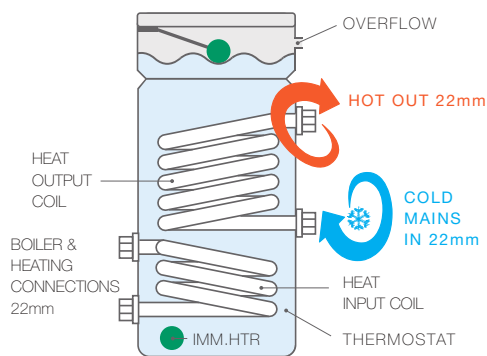
## TSD Direct



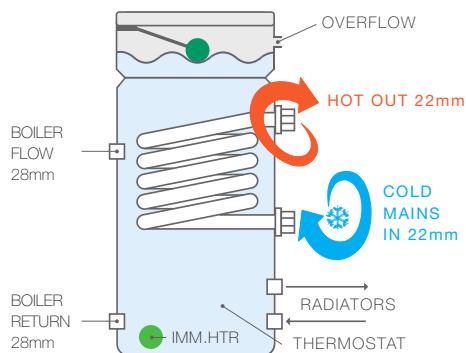
Thermal Store with integrated feed and expansion tank

## How does it work?

## Indirect (TSi)



## Direct (TSD)



## Easy to install

These low maintenance pre plumbed units provide flow rates up to 25 litres per minute and if linked to the appropriate gas, oil, solid fuel, biomass or other appliance (except Heat Pumps) are suitable for average to larger properties, see the sizing guide below. The units look smart too, with a wipe-clean appliance finish, and the insulation, which exceeds part L requirements, is 60mm foam injected for maximum efficiencies. Stainless steel construction offers a lightweight long life product.

## Cylinder Only

A range of cylinders (as shown overleaf) without the cold section, allowing for more choice in positioning the store in your home. The cold feed is remotely fitted by the customer at the top of the system, so the cylinder store can be sited anywhere. The stores are designated TSDC for Direct Single Coil cylinders or TSiC for Indirect Twin Coil cylinders.

## With Integrated F &amp; E Tank

These units (as shown opposite) have an integrated feed and expansion tank fitted. The direct pattern (TSD) has to be higher than the radiator circuit. The indirect pattern (TSi) can be fitted anywhere in the house and used with a sealed system boiler in Y Plan systems.

## Sizing guide

Capacity Litres	Application	Width	Height Cylinder Only	Height Unit with Cold Section	Boiler Sizing (x1000btu) (kW)	Weight (empty)	Weight (full)
140	1 bath + 1 shower	600*	1086	1305	40 12kW	40kg	190kg
170	1 bath + 2 showers	600*	1243	1495	60 18kW	45kg	225kg
210	2 bath + 1 shower	600*	1485	1755	80 24kW	50kg	260kg
250	2 bath + 2 showers	600*	1753	N/A	100 30kW	55kg	315kg

Boiler Sizing: Minimum boiler sizes are given. Smaller boilers will increase recovery times and performance may be affected. Modulating boilers may increase recovery times.

\*Allow extra 100mm for front fitted components.

Please ensure your boiler delivers a minimum temperature of 75°C

## Standard Single Fuel Thermal Store Systems

Capacity Litres	Direct Single Coil with cold section	Direct Single Coil cylinder only	Indirect Twin Coil with cold section	Indirect Twin Coil cylinder only	Heat Loss watts / class
140	TSD 140	TSDC 140	N/A	N/A	43/B
170	TSD 170	TSDC 170	TSi170	TSiC170	50/B
210	TSD 210	TSDC 210	TSi210	TSiC210	58/B
250	N/A	TSDC 250	N/A	TSiC250	63/B

## Advance Appliances

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