

GX Heat Bank Thermal Storage Systems

Mains Pressure Hot Water Systems using Vented Storage for the highest performance from any hot water systems in our range. Particularly well suited to multiple heat sources or variable hot water loads, there are few application where the GX is not the best option.

- Mains Pressure Hot Water up to 9 bar.
- Fully Vented system suitable for DIY installation.
- Integrated into Vented Boiler and Heating system.
- Rapid Recovery using full boiler output.
- Control over volume heated by boiler.
- Ability to shower continuously from a small store.
- Rapid heat up of radiators.
- Cased with 40mm Insulation
- Choice of Diameters and Heights.
- Solar and Solid Fuel options.
- Ability to use solar or solid fuel towards central heating.
- Options for fitted immersion heaters.
- Cased units available.
- Additional bosses on request.
- Options for fitted control assemblies.
- No Annual Maintenance Requirements.

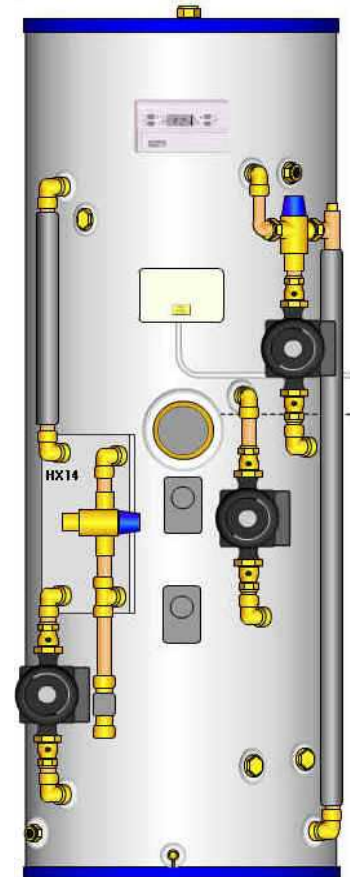
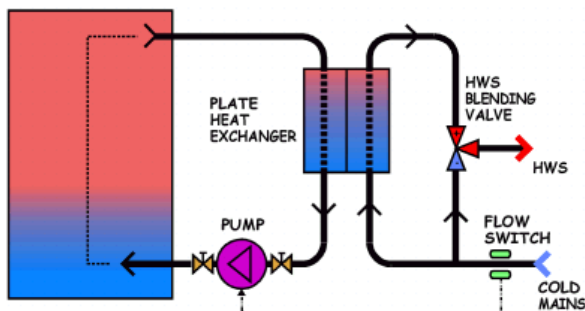
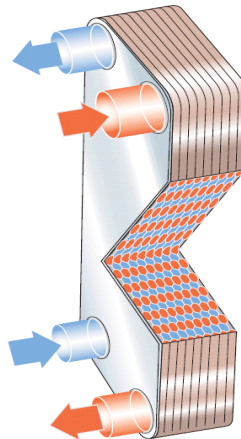


Plate Heat Exchanger Technology:

Mains pressure hot water is heated through a plate heat exchanger that pulls heat from the stored hot water. The GX itself is unpressurised, overcoming all safety and servicing demands that arise from a pressurised store.

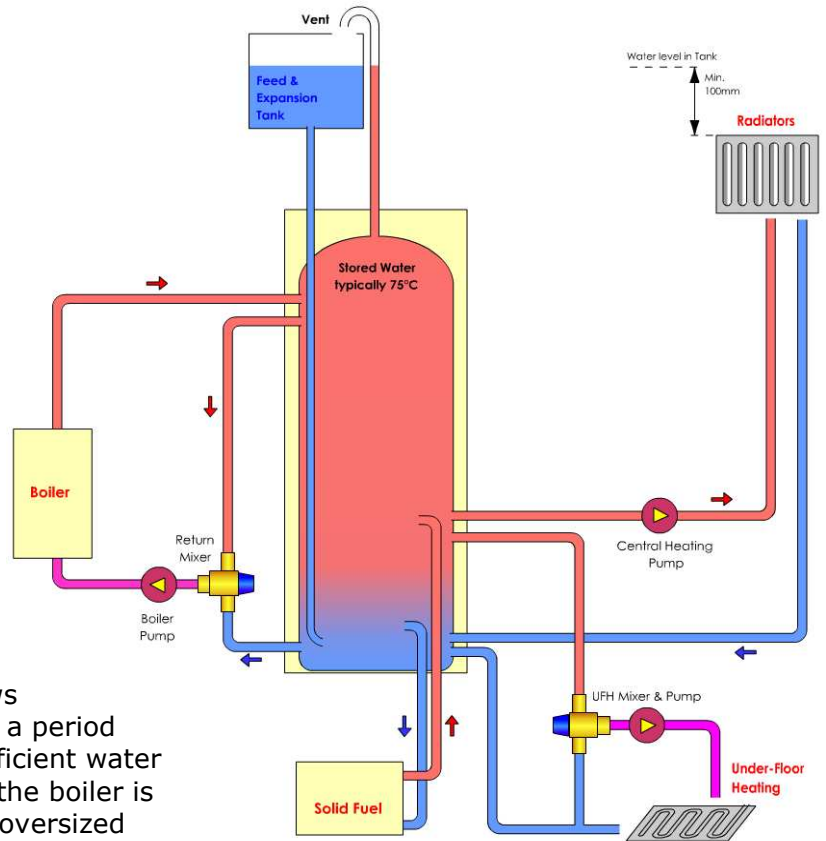


STANDARD OPTIONS

DHW Heat Exchanger	100, 160, 300 kW
Thermostatic DHW Mixer	22, 28mm
Secondary Return Pump (Grundfos)	15-14, 15-50
GX Boiler Return Control	22, 28mm
Boiler Pump (Grundfos)	15-60, 25-55, 25-80
Twin Cylinder Thermostats	
Heating Circuit, Full Store	22, 28mm
Heating Circuit, Lower Store	22, 28mm
Heating Pump Grundfos (Grundfos)	15-60, 25-55, 25-80
Modulating Heating Pump	
Underfloor Heating Valve	22, 28mm
Programmer	One, Two Channel
Programmable Room Thermostat	TP5000, TP7000
RF Radio Communication with Room Thermostat(s)	1, 2, 3 Zone
Immersion Heater	3, 6 kW
Immersion Heater Controller	3, 15kW
Solid Fuel Connections 28mm	
Solar Coil	
Sealed System Solar Controls	
Direct Solar or Heat Pump Connections	
Direct Solar Controls	
Overheat Thermostatic Switch (wired to heating)	
Overheat Discharge (mains hot water to drain)	

Primary Integration:

The GX System is part of the boiler and radiator (primary) system, and connects to a feed and expansion tank located higher than all radiators and associated pipework. Water is pumped directly from the store to the boiler and returns hot into the top of the store, without any coils to limit transfer. Likewise, central heating is pumped straight from the store to radiators or to underfloor heating manifolds, which in turn heat up very rapidly.



Buffered Operation of Boiler:

With the GX Heat Bank the boiler is effectively disconnected from the central heating, and is only used to reheat the store when required. This allows central heating to run from stored heat for a period without the boiler firing. Once there is sufficient water ready to reheat in one long efficient burn, the boiler is started. It also means that boilers can be oversized without any cycling problems.

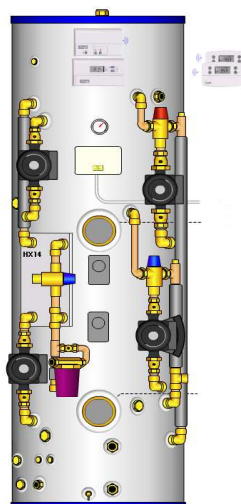
Rapid Recovery and Smaller Stores:

The original concept of the GX was as a rapid recovery store, with the entire boiler output directed into the top of the store where it can be immediately used for hot water. This means that if a shower is run the boiler will keep up and no stored heat is used up until a second outlet is opened... so it is possible for a 90 litre store to run a bath and a 30 minute shower.

System Design made Easy:

GX Heat Banks can be easily designed online on the DPS web site using our PANEX System Designer. Systems are fully assembled and wired to match the chosen design, tested and supplied ready for a rapid installation.

On-site backup is provided as well as two years guarantee on all components, and ten years on all copper cylinders (twenty on stainless).



STANDARD SIZES (COPPER)

CAPACITY	DIAMETER	HEIGHT
90 ltr	480mm	850mm
130 ltr	530mm	1100mm
150 ltr	530mm	1250mm
180 ltr	530mm	1400mm
180 ltr	580mm	1250mm
210 ltr	530mm	1600mm
210 ltr	580mm	1400mm
210 ltr	680mm	1200mm
250 ltr	530mm	1850mm
250 ltr	530mm	1600mm
250 ltr	530mm	1350mm
300 ltr	580mm	1850mm
300 ltr	680mm	1500mm
330 ltr	580mm	2000mm
350 ltr	680mm	1700mm
400 ltr	680mm	1850mm
450 ltr	680mm	2000mm

Rectangular Tanks can be supplied upon request to specified width, depth and height.