

Pandora Heat Bank Thermal Stores

Mains Pressure Hot Water Systems using unpressurised storage for the high performance mains hot water via a plate heat exchanger (PHE). The unique feature of the patented design is the lack of a discharge pipe from the store, making it ideal for apartments or other places where pipework is hard to run. In addition, there is no annual servicing required, making the Pandora the simplest ways of obtaining high pressure hot water.

- Mains Pressure Hot Water up to 9 bar.
- Unpressurised system suitable for DIY installation.
- No discharge from store.
- Indirect and Electric models.
- Ability to run central heating from stored water.
- Rapid recovery option using PHE instead of coil.
- Cased with 40mm Insulation
- Choice of Diameters and Heights.
- Solar options.
- Options for additional immersion heaters.
- Cased units available.
- Additional bosses on request.
- Options for fitted control assemblies.
- No Annual Maintenance Requirements.

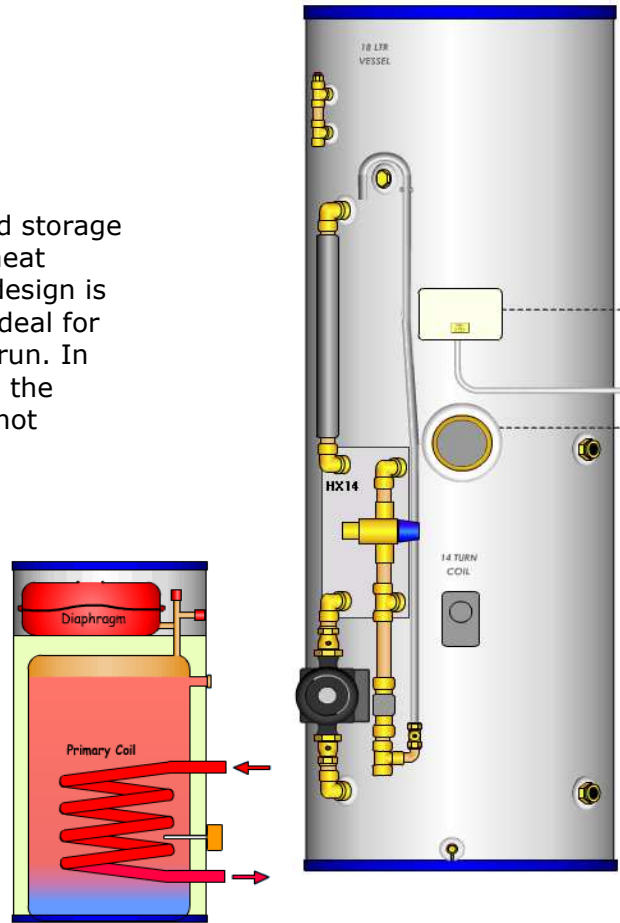
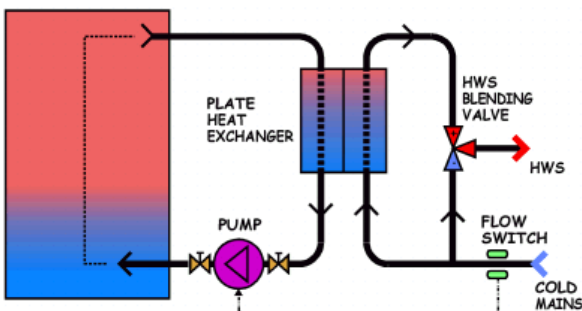
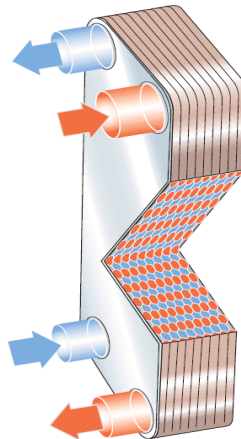


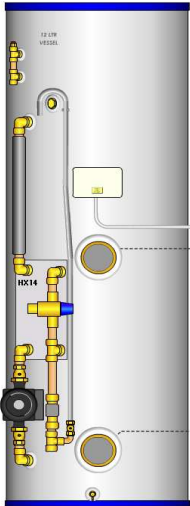
Plate Heat Exchanger Technology:

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

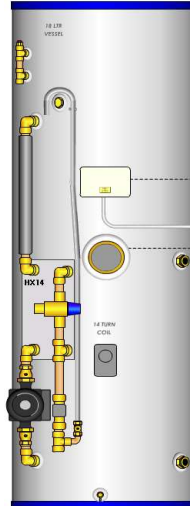


STANDARD OPTIONS

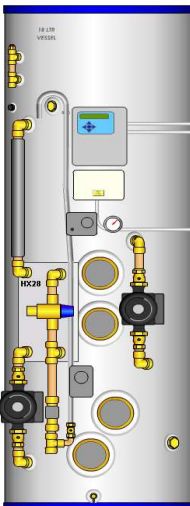
DHW Heat Exchanger	100, 160, 300 kW
Thermostatic DHW Mixer	22, 28mm
Secondary Return Pump (Grundfos)	15-14, 15-50
Indirect Primary Coil	9 to 16 turn
Rapid Recovery via PHE	
Primary Control Assemblies	Y-Plan, S-Plan
Primary Motorised Valves	22, 28mm
Boiler Pump (Grundfos)	15-60, 25-55
Sealed System Kit on Primary	
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
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)	



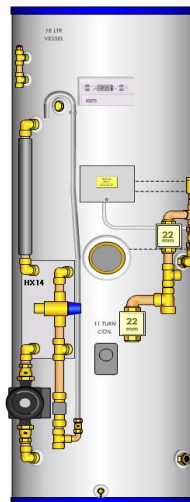
Standard Electric:
The most basic form of Pandora is the standard electric model. The unit only has two pipework connections, cold in & hot out, and can be installed in a fraction of the time of comparable hot water systems. The unit can be supplied with a pre-wired immersion heater controller, reducing the electrical installation further.



Standard Indirect:
The indirect model is fitted with a high recovery coil that allows connection to any gas or oil boiler system. The unit is perfect for customers wishing to swap from a standard tank fed system with minimal effort, as the store has the same four connections - cold in, hot out, flow from boiler, and return to boiler. The only difference is the cold in comes from the mains rather than from the cold tank.



Electric Hot Water and Central Heating:
The Pandora can be used to provide a stand alone electric hot water and wet central heating systems, without the need for any other boilers, tanks, controls, or even a discharge. The unit has the unique ability to run the central heating using stored heat from cheap rate electricity, making it a serious alternative to gas.

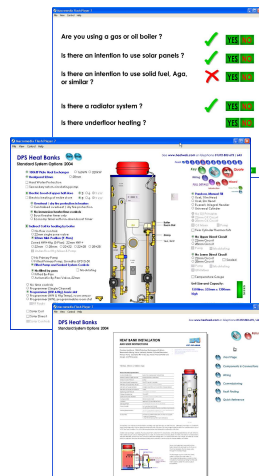


Prefabricated Indirect:
The indirect Pandora can be supplied with the full array of central heating controls fully assembled and wired onto the side of the unit. This ensures a rapid installation, both mechanically and electrically, with little to be done other than connect to pipework and wire to the boiler. The choice of controls is endless, with customers able to specify the make and layout of the supplied controls.

Rapid Indirect Recovery Options:
Instead of using a coil to allow connection to a boiler, the Pandora can be supplied with a plate heat exchanger (PHE) to reheat the store using everything the boiler can provide. This reduces heat up times dramatically, and reduces the size of store required.

System Design made Easy:
Pandora 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
130 ltr	530mm	1150mm
150 ltr	530mm	1300mm
180 ltr	530mm	1550mm
180 ltr	580mm	1300mm
210 ltr	530mm	1750mm
210 ltr	580mm	1500mm
210 ltr	680mm	1150mm
250 ltr	530mm	2000mm
250 ltr	530mm	1700mm
250 ltr	530mm	1300mm
300 ltr	580mm	2000mm
300 ltr	680mm	1550mm
350 ltr	680mm	1800mm
400 ltr	680mm	1950mm
415 ltr	680mm	2000mm

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