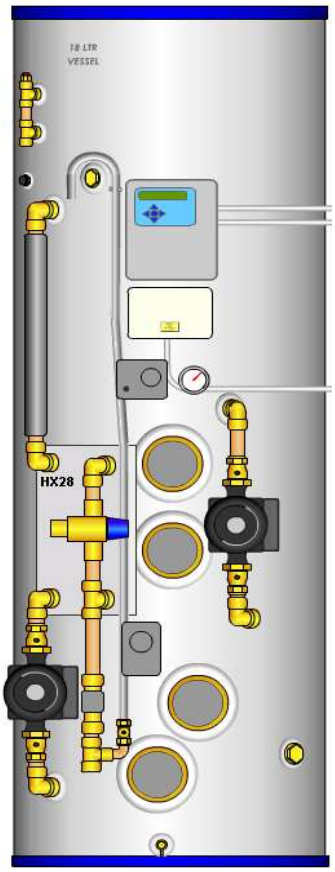
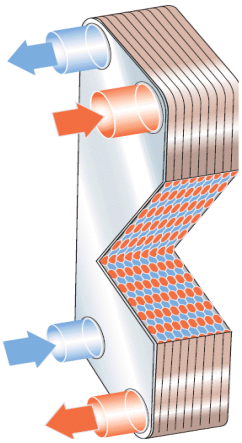
Electric Central Heating: Heat Bank 2000 Range

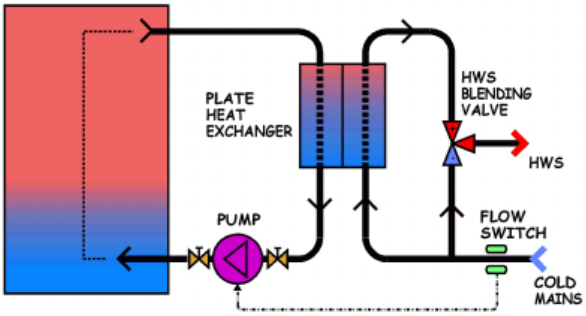


Mains Pressure Hot Water Systems using unpressurised storage for the high performance mains hot water via a plate heat exchanger (PHE). Systems are heated Electrically, and also provide central heating to either radiators or underfloor heating. In addition, there is no annual servicing required, making the range an ideal way to obtaining high pressure hot water, and central heating, without a boiler.

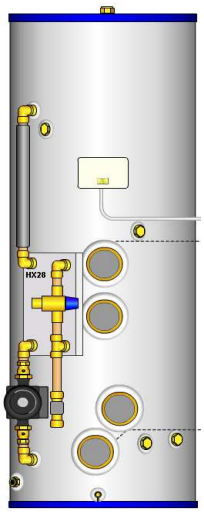
- Mains Pressure Hot Water up to 9 bar.
- Unpressurised system suitable for DIY installation.
- No discharge from store.
- Electrically Heated up to 24kW.
- Solar / Solid Fuel options.
- Ability to run Central Heating from stored water.
- Cased with 40mm Insulation
- Choice of Diameters and Heights.
- 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 GX itself is unpressurised, overcoming all safety and servicing demands that arise from a pressurised store.

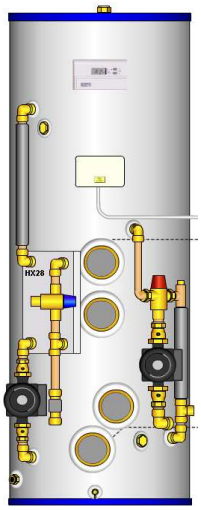




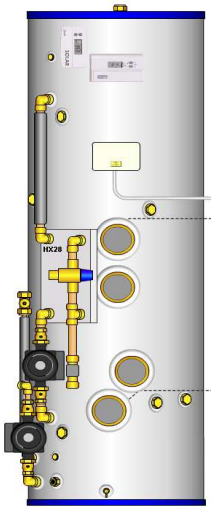
STANDARD OPTIONS	
Xcel Model: Feed and Expansion Tank	
Pandora Model: Manual Fill, No Discharge	
DHW Heat Exchanger	100, 160, 300 kW
Thermostatic DHW Mixer	22, 28mm
Secondary Return Pump (Grundfos)	15-14, 15-50
Sealed System Kit on Heating	
Heating Circuit, Full Store	22, 28mm
Heating Circuit, Lower 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)	



Standard Electric:
The most basic form of HB2000 is the Xcel model, and the best for most applications. The unit connects to a feed and expansion tank (separate) to fill the cylinder and the central heating system. The central heating is pumped directly from the store, with the option for separately fed circuits. Underfloor heating manifold can pull directly from stored hot water.



Underfloor Heating Controls:
Electric central heating works best with underfloor heating, and the range includes options for fitted underfloor temperature control and pump. This simplifies the manifold assemblies considerably, and makes it easier to use more than one manifold. The choice of controls varies from basic thermostatic control, up to weather compensation and even C-Bus linked systems.



Solar or Solid Fuel Models:
The Heat Bank range can connect to solar panels either directly, or indirectly via a coil. Units can be fitted with a complete solar kit for quick connection to panels. They can also connect to a wood burner or other biomass boiler as an auxiliary heat source. Wood burners are particularly useful to match peak heating demand where electrical power supplies are limited and gas or oil is ruled out.

15kW Immersion Heater Controller:
The MCT50 Immersion Heater Controller provides flexible control of up to 15kW of heaters. These are split into two separate power supplies, 6kW and 9kW, to allow connection to dual meters. Timers for Economy and Boost are provided, as well as the ability to sense supplies coming on. Remote 2-wire boost facility is provided, as well as the ability to use any clock as boost. Overheat and Low Water Protection facilities, and it is possible to sequence immersion heaters from top to bottom.

System Sizing:
Picking the correct size of unit and number of heating elements is affected by the economy tariffs available, the type of meter, and the peak central heating demands. With this information, DPS can help select the best combination and advise how the options will affect electrical load and running costs.

System Design made Easy:
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. www.dpsheatweb.com

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 - XCEL		
CAPACITY	DIAMETER	HEIGHT
210 ltr	530mm	1600mm
250 ltr	530mm	1850mm
250 ltr	530mm	1600mm
300 ltr	530mm	2000mm
300 ltr	580mm	1850mm
300 ltr	680mm	1500mm
330 ltr	580mm	2000mm
350 ltr	680mm	1700mm
400 ltr	680mm	1850mm
450 ltr	680mm	2000mm
STANDARD SIZES - PANDORA		
CAPACITY	DIAMETER	HEIGHT
210 ltr	530mm	1750mm
250 ltr	530mm	2000mm
250 ltr	580mm	1700mm
300 ltr	580mm	2000mm
300 ltr	680mm	1550mm
350 ltr	680mm	1800mm
415 ltr	680mm	2000mm

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

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