

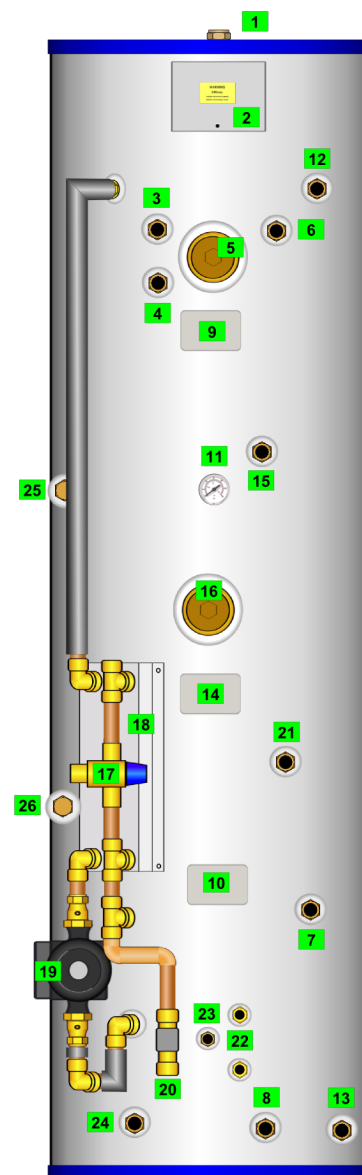
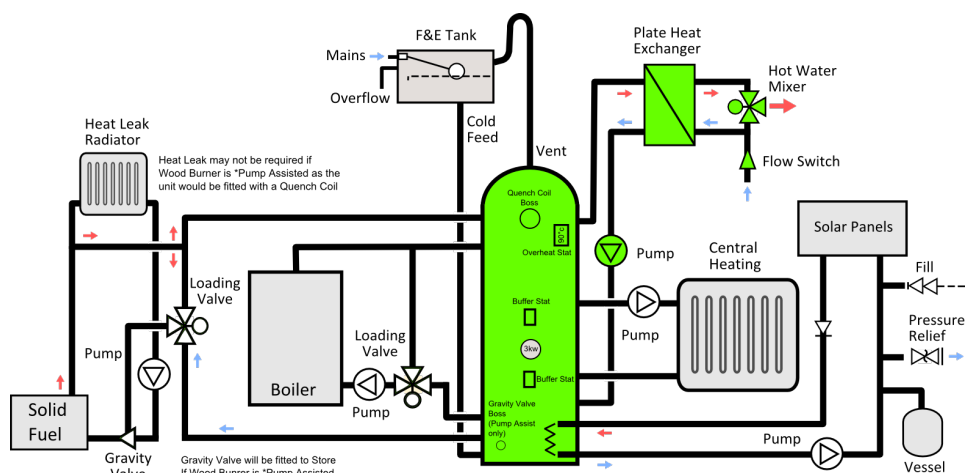
# Thermal Store for Multi Fuel Systems

With DHW Plate Heat Exchanger, Direct Boiler Connections, Pumped Wood Burner Connections, Solar Coil, Buffer Stat, Overheat Stat and Gravity Wood Burner Connections.

Inputs: Pumped / Gravity Wood Burner, Open Vented Boiler, Solar and Backup Electric.  
Outputs: DHW (via Heat Exchanger) and Central Heating

- Stainless Steel Thermal Store
- 130 to 500 litre Capacities with Slimline options
- Connections for Direct Boiler Input
- Connections for Central Heating circuit
- DHW generated using a Plate Heat Exchanger up to 35l/Min
- DHW Thermostatic Mixing
- Immersion Heater Boss
- Fully Pumped Wood Burner Circuit
- Solar Coil

This system is designed to work in conjunction with an Open Vented boiler, Fully Pumped / Gravity Wood Burner (whereby Gravity Fullback circulation to store is not possible) and Solar Thermal. The system includes a Plate Heat Exchanger Assembly to generate mains pressure hot water, fitted with thermostatic mixing valve to control tap temperatures. It is assumed that the system will be open vented due to the inclusion of a wood burning stove.



### Key to Parts:

1. Vent
2. Wiring Centre
3. Solar Sensor Pocket
4. Boss For Overheat Discharge Sensor Pocket
5. Boss For Overheat Coil Discharge (\* Pump Assist Only)
6. Flow from Boiler
7. Return to Boiler
8. Gravity Valve Boss (\* Pump Assist Only)
9. Overheat Thermostat
10. Boiler Thermostat
11. Temperature Gauge
12. Pumped Wood Burner Connection (Flow)
13. Pumped Wood Burner Connection (Return)
14. Buffer Boiler Thermostat
15. Flow to Central Heating
16. Immersion Heater Boss, 2.1/4" Female
17. DHW Flow Thermostatic Mixing Valve
18. DHW Plate Heat Exchanger
19. DHW Pump (A Rated)
20. Cold Mains Input / Flow Switch
21. Return from Central Heating
22. Solar Coil
23. Solar Sensor Pocket
24. Cold Feed
25. Gravity Wood Burner Flow
26. Gravity Wood Burner Return

Part Code	Capacity	Cylinder Diameter	Casing Diameter	Height
DS-220-14B	220 litres	450mm	535mm	1500mm
DS-247-14B	247 litres	450mm	535mm	1800mm
DS-300-14B	300 litres	500mm	560mm	1800mm
DS-390-14B	390 litres	600mm	660mm	1500mm
DS-500-14B	500 litres	600mm	660mm	1835mm
X2009-16j	3kW Immersion Heater			
X2009-5	GX Boiler Input Assembly			
X2009-11A	Standard Pump for Towel Rail or Radiator Circuit			
X2009-11B	Standard Pump for Boiler Circuit			
UFH	Flow and Return Tappings for Underfloor Heating Circuit			
X2009-13	Quench Coil Assembly (Required for * Pump Assisted Wood Burner)			
X2009-5C	Pumped Wood Burner Assembly			

\*Pump Assist circulation describes a circuit that can operate on Gravity to Store as well as Pumped

■ INCLUDED AS STANDARD