

 Specification 16432-2

30/09/02

- Pandora Heat Bank System
- L18-28 Plate DHW Heat Exchanger
- M18-30 Plate Primary Heat Exchanger
- 40mm Foam Insulation
- Controls Fitted & Wired
- Manual Fill - No Overflows
- Thermostatic Blending Valve 1"
- Backup Immersion Heater

**16432-2**

*District Domestic Buffer Store*

Unit Code	CPC-130-16432-2	CPC-150-16432-2	CPC-180-16432-2
Capacity [litres]	130	150	180
Base Diameter [mm]	450	450	450
Overall Diameter [mm]	530	530	530
Height [mm]	1130	1300	1550

- 1 Plate heat exchanger, L18-28
- 2 Flow switch
- 3 Heat exchanger pump
- 4 Thermostatic mixing valve, RWC Heatguard 22mm
- 5 Drain off cock
- 6 Removable lid
- 7 White plastic coated steel casing
- 8 Anti-vacuum valve
- 9 Vent, with evaporation protection
- 10 Filling Point, with hose
- 11 Wiring Centre
- 13 Boost Immersion Heater
- 30 Danfoss TP5000 Programmable Thermostat
- 53 Y-Pattern Strainer
- 60 Primary Plate Heat Exchanger M18-30
- 61 Htg Exchanger Pump, Grundfos 15-50
- 62 Sensor Point (blanked 1/2")
- 63 Temperature Gauge
- 65 RAVK-VMT Thermostatic Valve
- 67 Visual Flow Gauge / Setter
- 69 Two Port Motorised Valve
- 71 Heating Return, 22mm
- 74 Cylinder Thermostat (Tamperproof)
- 75 Direct Pump Assembly, 22mm
- 80 Energy Meter, Switch2 2WR5
- 81 Flow Meter, Ultrasonic
- 82 Temperature Sensor

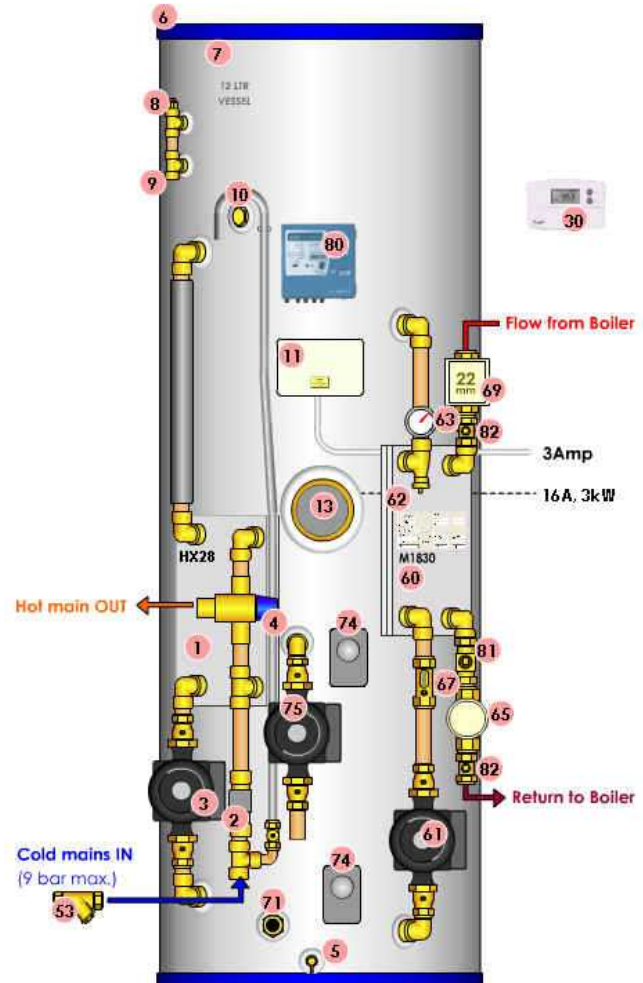


Diagram of Cylinder Version.  
Rectangular Tanks available on request.  
to make better use of space.

**This Design will:**

1. Isolate communal primaries from heating services in properties.
2. Obtain an 85-55°C drop on primaries for heating, with input of 9kW, recovering to 75°C.
3. Thermostatically controlled mains pressure domestic hot water at up to 24 litres/min @ 9 bar.
4. Recover top-down to full temperature, providing hot water priority.
5. Ability to limit primary return temperatures.
6. Deliver central heating with a 30 litre buffer, giving rapid initial radiator heat-up.
7. Provide 3kW electric backup to hot water.
8. Require no discharge, with store/heating system manually filled.
9. Require no annual maintenance within properties.