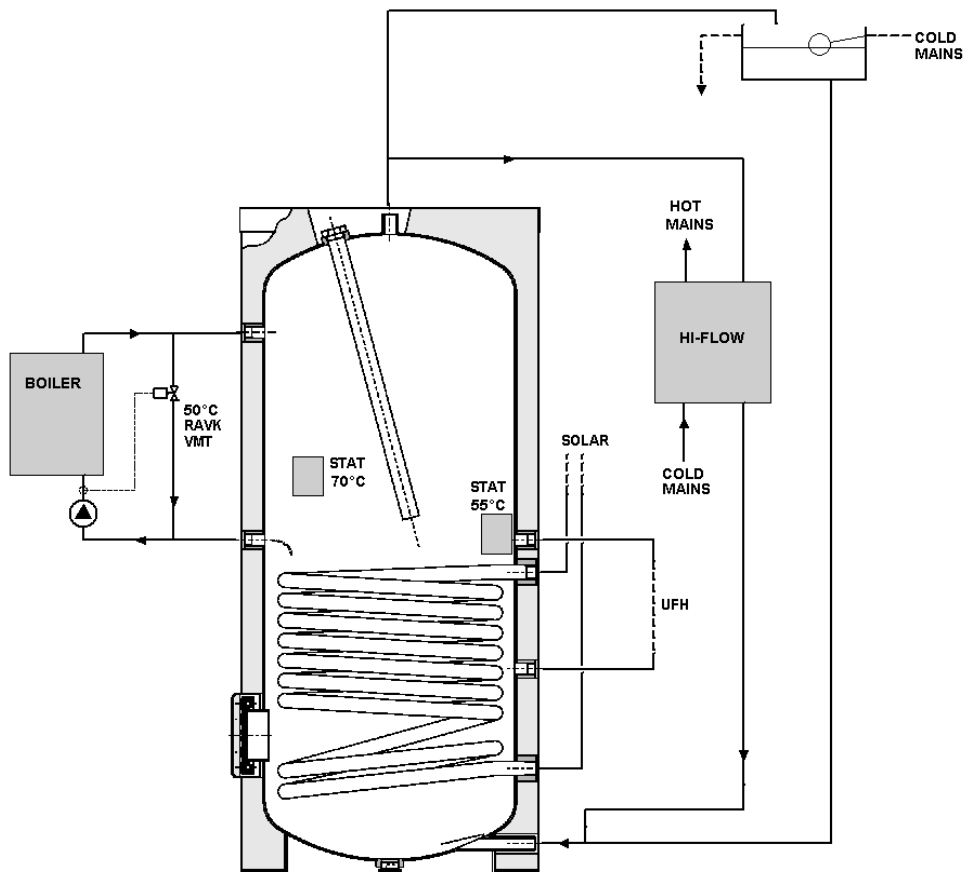


Unit Code	IT750-3613-2	IT1000-3613-2
Capacity [litres]	750	1000
Cased Diameter [mm]	910	1060
Height [mm]	2030	2000

## 3613-2

*High Capacity  
Thermal Buffer System  
with Solar and UFH*



The system is designed to make maximum use of a boiler, solar panels, and UFH, where there is a desire to use solar as a heat source for the UFH where possible.

The boiler is only called to provide heat for UFH if the flow from the cylinder drops below 55°C (installer/user adjustable). To recover the top section of the store for hot water, typically to 70°-75°C, the system uses a second cylinder thermostat, fitted higher than the first.

The store, the boiler circuit, and the UFH circuit are all integrated in a single VENTED system, suitable for a maximum working head of 100m. Combining the systems this way allows for greater utilisation of boiler output, and overcomes additional temperature drops between the store and the UFH circuit when running on solar. A feed and expansion tank is required at high level.

Domestic hot water is provided at full mains pressure using the Hi-Flow heat exchanger assembly. Each assembly can provide up to 45 l/min of hot water, and more than one can be fitted if higher flow rates are required.

Additional controls will be required (not shown) for high temperature isolation of boiler and solar panels under overheat conditions. Electric Immersion Heaters are optional, with the single flanged boss able to take heaters up to 30kW in single or three phase.