

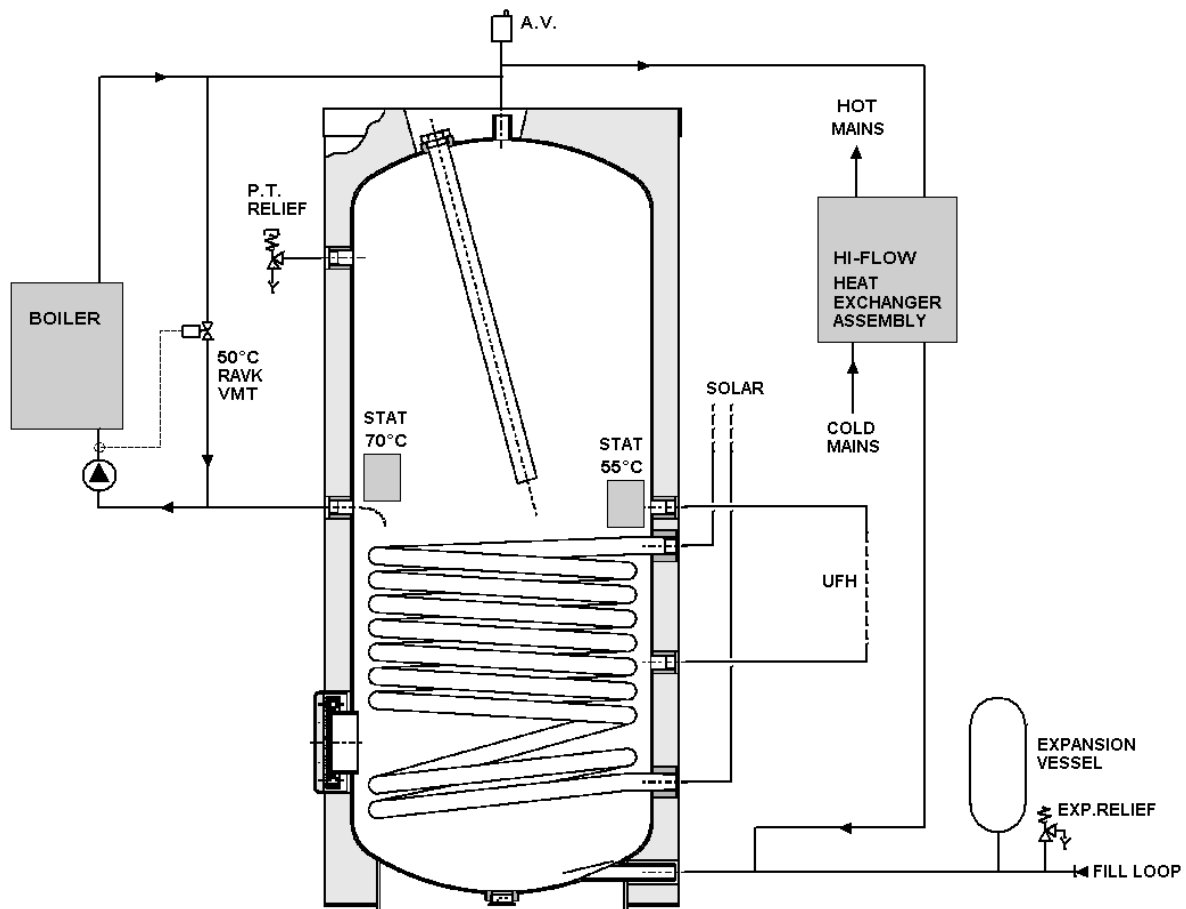
 Specification 3613-1

10/08/06

Unit Code	IT750-3613-1	IT1000-3613-1
Capacity [litres]	750	1000
Cased Diameter [mm]	910	1060
Height [mm]	2030	2000

3613-1

*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.

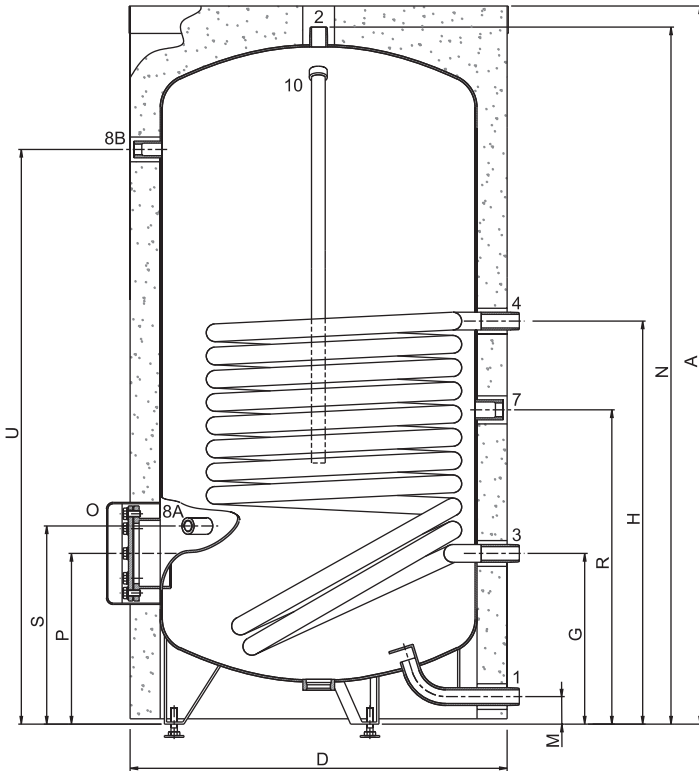
The store, the boiler circuit, and the UFH circuit are all integrated in a single pressurised system, suitable for a maximum working pressure of 10 bar, but typically filled to 2 bar. Combining the systems this way allows for greater utilisation of boiler output, and overcomes additional temperature drops between the store and the UFH circuit when running on solar.

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.

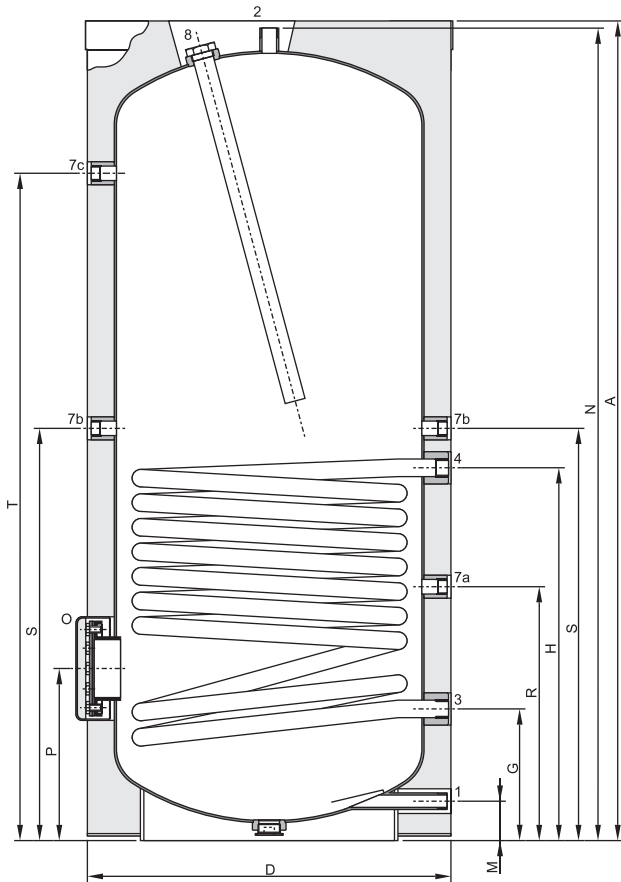
Additional controls will be required (not shown) for high temperature isolation of boiler and solar panels under overheat conditions. Electric Immersion Heaters are optional, with the single flanged boss able to take heaters up to 30kW in single or three phase.

Dimensions IT

IT 300



IT 400-1000



	IT 300	IT 400	IT 500	IT 600	IT 750	IT 1000
A	1370	1705	2040	1835	2030	2000
D	720	720	720	910	910	1060
G	325	255	255	305	305	345
H	765	1010	1205	1145	1205	1305
M	75	70	70	85	85	95
N	1310	1650	1990	1795	1990	1960
O	115	115	115	180	180	180
P	325	330	330	415	415	445
R	595	500	500	650	650	700
S	375	1095	1290	1235	1295	1395
T	-	1360	1700	1475	1670	1600
U	1115	-	-	-	-	-
1 Cold water	R1	R2	R2	R3	R3	R3
2 Hot water	R1	R2	R2	R3	R3	R3
3 Inlet coil	R1	R1	R1	R1 ^{1/4}	R1 ^{1/4}	R1 ^{1/4}
4 Outlet coil	R1	R1	R1	R1 ^{1/4}	R1 ^{1/4}	R1 ^{1/4}
7 Connection	Rp ^{3/4}	Rp ^{3/4}	Rp ^{3/4}	Rp ^{3/4}	Rp ^{3/4}	Rp ^{3/4}
8 a/b Connection immersion well	Rp ^{1/2}	-	-	-	-	-
8 Anode connection	-	Rp1 ^{1/4}	Rp1 ^{1/4}	Rp1 ^{1/4}	Rp1 ^{1/4}	Rp1 ^{1/4}
10 Anode connection	R1	-	-	-	-	-

Dimensions in mm. All IT calorifiers receive a three years warranty on the tank and one year on parts.

Dimensions for IT 1500-3000 available upon request.

