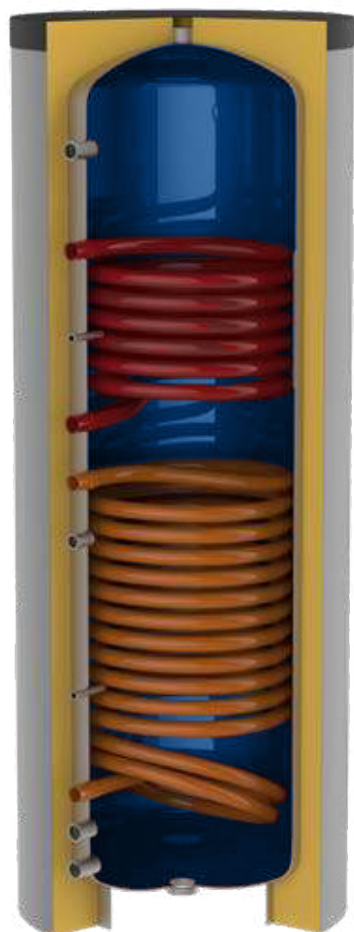


Advenco GLT 200–3000

Glass Lined Twin Coil Calorifiers for DHW Systems



The Advenco GLT range of glass lined steel calorifiers is designed to serve as indirect water heaters for vented and unvented domestic hot water applications.

The GLT range includes tanks from 200 to 3000 litres featuring two fixed primary heating coils, one each at low and high level, designed for use with two separate heat sources. All vessels include a cleanout flange compatible with a range of backup immersion heaters and a magnesium sacrificial anode as standard.

Constructed from a carbon steel shell with a high quality glass lining to prevent corrosion, the GLT range is suitable for use in systems with maximum working pressures up to 10 bar and temperatures up to 85°C.

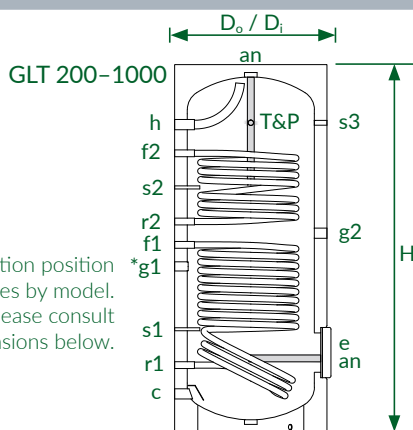
FEATURES

- Available with 200–3000 litre capacities
- Two internal fixed heat exchange coils
- Produced from high quality steel with blue glass lining (200–1000L) or blue enamel lining (1250–3000L)
- Rigid high density polyurethane foam insulation (200–500L) or removeable polyester fibre jacket (750–3000L)
- WRAS approved (200–1000L) and Kiwa KUKreg4 approved (200–3000L) product range
- Suitable for vented or unvented installations
- Includes magnesium sacrificial anodes as standard
- 6–10 bar / 85°C max. working pressure/temp (tank)
- 10–12 bar / 110°C max. working pressure/temp (coils)

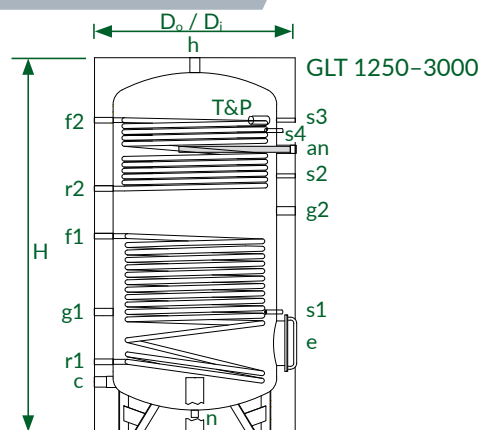


OPTIONS & ANCILLARIES

- Electric immersion heaters
- Control and overheat thermostats
- Destratification pumps
- Unvented kits



*connection position varies by model. Please consult dimensions below.



Model GLT		GLT200	GLT300	GLT500	GLT750	GLT1000	GLT1250	GLT1500	GLT2000	GLT2500	GLT3000
Storage volume (L)		197	299	496	683	992	1250	1436	2065	2500	2966
Standing losses (W) / Efficiency class		60 / B	65 / B	98 / C	106 / C	131 / C	161 / --	85 / --	110 / --	207 / --	221 / --
Max. working pressure tank / coil (bar)		10 / 10	10 / 10	10 / 10	10 / 10	10 / 10	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12
Coil surface area lower / upper (m²)		1.0 / 0.7	1.4 / 1.1	2.0 / 1.1	2.4 / 1.2	2.7 / 1.5	3.2 / 1.5	3.7 / 2.3	4.3 / 3.0	4.8 / 3.3	5.2 / 3.8
Coil capacity lower / upper (kW)		21.9/14.6	31.5/24.7	48.1/24.7	58.1/26.6	67.6/34.5	77.5/32.6	93.0 / 52.4	110.9 / 71.8	130.2 / 81.0	126.4 / 95.5
Nominal flow rate lower / upper (L/s)		0.17/0.12	0.25/0.20	0.38/0.20	0.46/0.21	0.54/0.27	0.62/0.26	0.74/0.42	0.88/0.57	1.05/0.65	1.01/0.76
Nominal coil pressure drop lower/upper (kPa)		3.0/3.0	3.0/3.0	9.5/5.0	16.2/5.0	24.0/5.0	16.0/5.0	59.8/12.8	95.8/29.8	53.6/41.1	69.9/64.6
Continuous DHW flow rate (L/h)	lower coil	376	541	825	997	1160	1330	1596	1903	1968	2169
	upper coil	251	424	424	457	592	559	899	1232	1390	1639
	combined	626	964	1249	1454	1752	1889	2495	3135	3358	3808
Peak draw off capacity (L) 30min	lower coil	216	464	741	962	1277	1554	1814	2393	2820	3276
	upper coil	128	326	425	532	743	855	949	1313	1579	1869
	combined	419	641	917	1152	1524	1787	2188	2906	3399	3959
Peak draw off capacity (L) 60min	lower coil	406	738	1159	1467	1864	2228	2622	3357	3817	4375
	upper coil	255	541	639	763	1042	1141	1404	1937	2283	2699
	combined	736	1129	1550	1888	2411	2744	3452	4494	5100	5888
Peak draw off capacity (L) 120min	lower coil	779	1275	1979	2457	3017	3549	4208	5248	5772	6530
	upper coil	504	962	1060	1216	1631	1697	2298	3162	3664	4327
	combined	1358	2088	2791	3332	4152	4621	5931	7609	8437	9671
Dry mass (kg)		98	133	188	277	384	300	310	340	430	454
Connections											
Output capacities and DHW flow rates based on 80/60:10/60 (GLT200-2000) and 80/50:10/60 (GLT 2500-3000) primary/secondary temperatures											
When combining coils for GLT 2000-3000 it is recommended to connect coils in parallel to avoid excessive pressure losses											
Label	Description	GLT200	GLT300	GLT500	GLT750	GLT1000	GLT1250	GLT1500	GLT2000	GLT2500	GLT3000
c, h	Water inlet and outlet	1"	1"	1"	1½"	1½"	2"	2"	2"	2.5"	3"
g1	Additional connection	¾"	¾"	¾"	1¼"	1¼"	1¼"	1¼"	1¼"	1¼"	1¼"
g2	Additional connection	1½"	1½"	1½"	1½"	1½"	1½"	1½"	1½"	1½"	1½"
T&P	T&P relief valve connection	¾"	¾"	¾"	¾"	¾"	1½"	1½"	1½"	1½"	1½"
f1, r1, f2, r2	Heat exchangers flow and return	1"	1"	1"	1"	1"	1¼"	1"	1"	1"	1"
s1, s2, s3, s4	Sensor pockets	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"
e	Inspection flange (mm)	Ø180/120	Ø180/120	Ø180/120	Ø280/205	Ø280/205	Ø380/345	Ø380/345	Ø380/345	Ø380/345	Ø380/345
n	Drain	--	--	--	--	--	1¼"	1¼"	1¼"	1¼"	1¼"
Dimensions		GLT200	GLT300	GLT500	GLT750	GLT1000	GLT1250	GLT1500	GLT2000	GLT2500	GLT3000
H	Height	1100	1615	1950	2080	1990	2125	2280	2525	2500	2870
D _o	Outer diameter with insulation	670	670	750	870	1060	1200	1250	1350	1450	1450
D _i	Inner diameter without insulation	--	--	--	710	900	950	1000	1100	1250	1250
f1	Flow connection to lower coil	580	705	920	1045	997	1145	1215	1325	1465	1540
f2	Flow connection to upper coil	895	1195	1480	1555	1437	1735	1830	2105	2030	2410
g1	Additional connection	450	615	1030	925	877	760	785	815	875	875
g2	Additional connection	630	800	1030	1110	1057	1230	1310	1495	1500	1625
T&P	T&P relief valve connection	885	1290	1580	1725	1577	1735	1830	2105	2030	2410
s1	Sensor pocket	345	420	545	575	612	825	850	815	1000	1000
s2	Sensor pocket	780	1025	1350	1365	1292	1400	1500	1730	1670	1850
s3	Sensor pocket	825	1290	1580	1725	1577	1735	1830	2105	2030	2410
s4	Sensor pocket	--	--	--	--	--	1655	1740	2035	1940	2265

All threaded connections are BSPF female unless otherwise stated. All dimensions in mm.