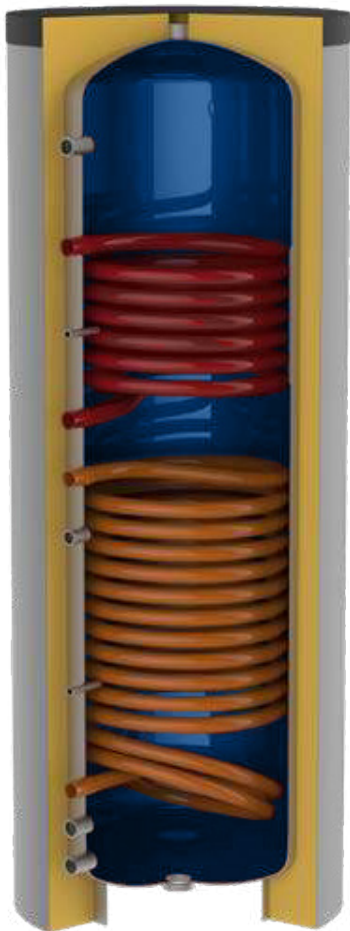


Advenco GLT 200–3000

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 manufactured from high quality carbon steel with a blue enamel protective lining. Each tank features two fixed heat exchange coils and are designed for use with multiple heat sources. All tanks include a cleanout inspection flange compatible with a range of backup immersion heaters.

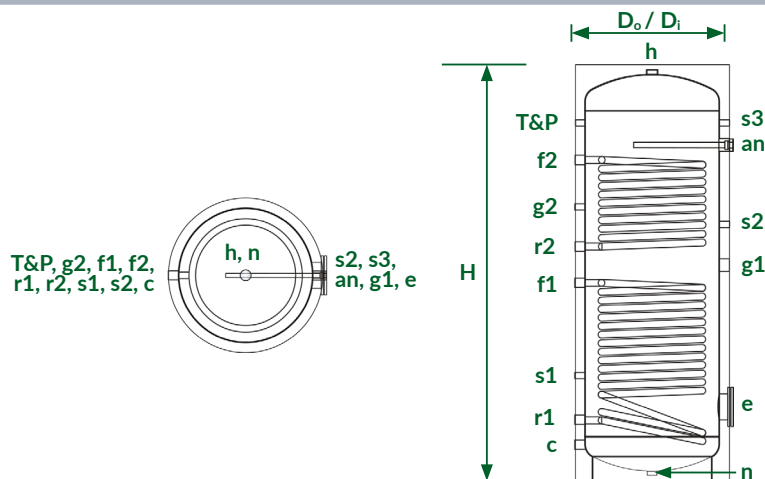
The GLT range is supplied as standard with a sacrificial magnesium anode for corrosion protection and is suitable for use in systems with maximum working pressure up to 6–8 bar and temperatures up to 85°C.

FEATURES

- Available with 200–3000 litre capacities
- Two internal fixed heat exchange coils, at low and high level
- Produced from high quality steel with blue enamel lining (200–2000L) or epoxy powder lining (2500–3000L)
- Rigid high density polyurethane foam insulation (200–500L) or removeable polyester fibre jacket (750–3000L)
- Suitable for vented or unvented installation
- Includes magnesium sacrificial anodes as standard
- 8 bar maximum working pressure (200L to 2000L)
- 6 bar maximum working pressure (2500L to 3000L)

OPTIONS & ANCILLARIES

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



Model GLT		GLT200	GLT300	GLT500	GLT750	GLT1000	GLT1500	GLT2000	GLT2500	GLT3000
Storage volume (L)		190	290	500	750	932	1474	1952	2500	3000
Standing losses (W) / Energy efficiency class		56.7 / B	68.2 / B	80.6 / B	125.9 / C	137.9 / C	168.1 / C	181.4 / C	--	--
Maximum working pressure tank / coils (bar)		8 / 10	8 / 10	8 / 10	8 / 10	8 / 10	8 / 10	8 / 10	6 / 10	6 / 10
Coil surface area lower / upper (m ²)		0.90 / 0.50	1.30 / 0.85	1.95 / 1.10	2.70 / 1.50	3.00 / 1.90	3.70 / 2.30	4.80 / 3.00	6.00 / 3.00	8.00 / 4.00
Coil output capacity lower / upper (kW)		21.0 / 12.2	29.4 / 20.0	44.0 / 26.2	58.4 / 35.0	64.0 / 43.1	80.0 / 50.9	98.6 / 66.6	110.0 / 64.0	138.0 / 58.0
Nominal primary flow rate lower / upper (L/s)		0.6 / 0.6	0.6 / 0.6	0.8 / 0.8	0.8 / 0.8	0.8 / 0.8	1.1 / 1.1	1.1 / 1.1	0.8 / 0.8	0.8 / 0.8
Nominal coil pressure drop lower / upper (kPa)		1.8 / 0.5	2.2 / 1.0	4.0 / 2.3	5.7 / 3.0	6.2 / 4.0	12.0 / 4.5	14.0 / 9.0	67.0 / 35.0	90.0 / 46.0
Continuous DHW flow rate (L/h)	Lower coil	360	505	755	1002	1098	1373	1692	1888	2368
	Upper coil	209	343	449	600	739	873	1143	1098	995
	Combined coils	569	847	1204	1602	1837	2246	2834	2985	3363
Peak draw off capacity (L) 30min	Lower coil	303	444	717	1020	1206	1756	2272	2793	3395
	Upper coil	240	376	589	852	1056	1546	2041	2461	2818
	Combined coils	542	820	1306	1872	2262	3302	4313	5254	6212
Peak draw off capacity (L) 60min	Lower coil	483	696	1095	1522	1756	2442	3118	3736	4578
	Upper coil	344	548	814	1152	1425	1983	2613	3010	3315
	Combined coils	827	1244	1908	2674	3181	4425	5731	6746	7894
Peak draw off capacity (L) 120min	Lower coil	844	1201	1850	2524	2854	3815	4810	5624	6947
	Upper coil	554	591	1263	1753	2165	2856	3756	4108	4311
	Combined coils	1397	2092	3113	4276	5019	6671	8565	9732	11257
Weight (kg)		70	93	125	195	229	351	488	348	404

Output capacities and DHW flow rates based on 80/60:10/60 primary/secondary temperatures.

Connections

Label	Description	GLT200	GLT300	GLT500	GLT750	GLT1000	GLT1500	GLT2000	GLT2500	GLT3000
c	Cold water inlet	1"	1"	1"	1½"	1½"	2"	2"	2"	3"
h	Hot water outlet	1¼"	1¼"	1¼"	1½"	1½"	2"	2"	2"	3"
g1	Additional connection	1½"	1½"	1½"	1½"	1½"	1½"	1½"	1½"	1½"
g2	Additional connection	½"	½"	½"	1"	1"	1"	1"	1"	1"
T&P	T&P relief valve connection	¾"	¾"	¾"	¾"	¾"	¾"	¾"	¾"	¾"
an	Anode connection	1¼"	1¼"	1¼"	1¼"	1¼"	1¼"	1¼"	1¼"	1¼"
f1-2, r1-2	Heat exchanger flow and return	1"	1"	1"	1"	1"	1"	1"	1"	1"
s1, s2, s3	Sensor pockets	½"	½"	½"	½"	½"	½"	½"	½"	½"
e	Inspection flange (mm)	Ø180/120	Ø180/120	Ø180/120	Ø180/120	Ø180/120	Ø290/220	Ø290/220	Ø290/220	Ø290/220
n	Drain	--	--	--	--	--	--	--	1¼"	1¼"

Dimensions

		GLT200	GLT300	GLT500	GLT750	GLT1000	GLT1500	GLT2000	GLT2500	GLT3000
H	Height	1320	1610	1660	1765	2060	2060	2350	2615	2815
D _o	Outer diameter with insulation	550	600	750	1050	1050	1260	1360	1400	1450
D _i	Inner diameter without insulation	--	--	--	790	790	1000	1100	1200	1250
f1-2	Flow connection to lower / upper coil	645 / 1000	795 / 1210	860 / 1330	907 / 1407	1055 / 1670	1110 / 1675	1280 / 1935	1350 / 1970	1530 / 2150
g1	Additional connection	705	845	915	962	1125	1180	1340	1470	1600
g2	Additional connection	895	1050	1125	1207	1435	1460	1685	1770	1900
T&P	T&P valve	1110	1365	1390	1440	1785	1740	1955	2170	2355
e	Inspection flange	300	300	330	382	380	475	505	585	575
s1	Sensor pocket	370	410	415	447	465	530	550	625	640
s2	Sensor pocket	825	1050	1095	1117	1305	1345	1545	1770	1900
s3	Sensor pocket	1110	1365	1390	1440	1785	1740	1955	2170	2355

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