

Advenco GLC 200–3000

Glass Lined Single Coil Calorifiers for DHW Systems



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

The GLC range includes tanks from 200 to 3000 litres featuring a single fixed primary heating coil at low level, as well as 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 GLC range is suitable for use in systems with maximum working pressure up to 10 bar and temperatures up to 85°C.

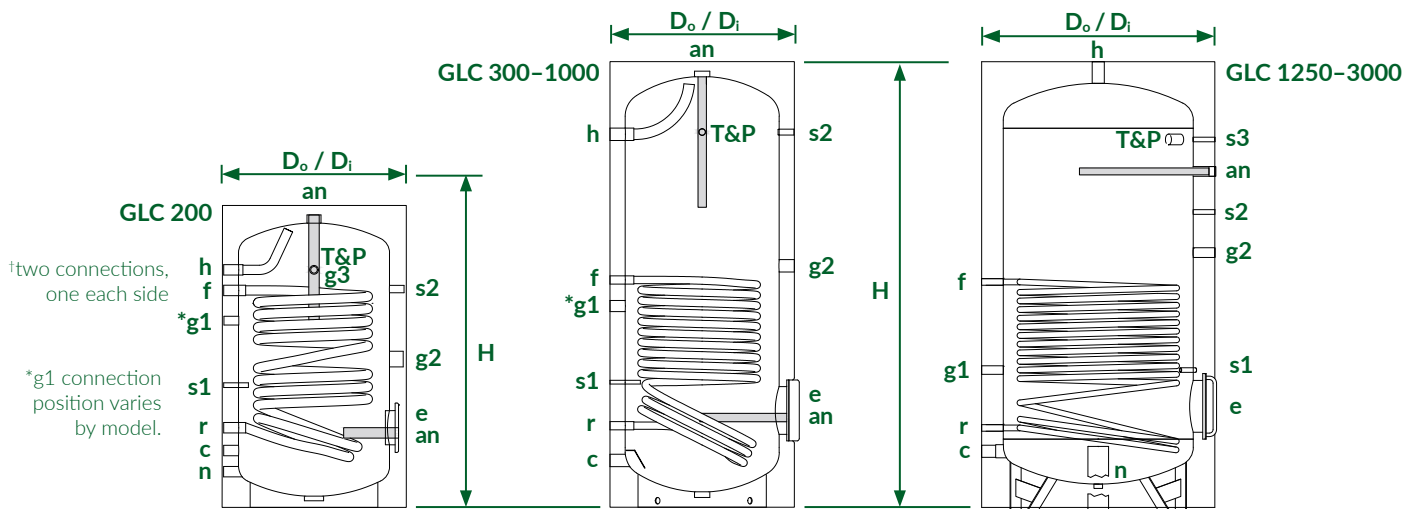
FEATURES

- Available with 200–3000 litre capacities
- Single internal fixed heat exchange coil
- 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 (200–3000L) approved product range
- Suitable for vented or unvented installation
- 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



Model GLC	GLC200	GLC300	GLC500	GLC750	GLC1000	GLC1250	GLC1500	GLC2000	GLC2500	GLC3000
Storage volume (L)	197	309	513	694	1053	1250	1500	2000	2500	3000
Standing losses (W) / Energy efficiency class	60 / B	65 / B	98 / C	106 / C	131 / C	161 / --	85 / --	110 / --	207 / --	221 / --
Maximum working pressure tank / coils (bar)	10 / 12	10 / 12	10 / 12	10 / 12	10 / 12	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12
Coil surface area (m ²)	1.4	1.4	2.0	2.4	2.7	3.2	3.7	4.3	4.8	5.2
Output capacity (kW)	31.5	31.5	48.1	58.1	67.6	77.5	93.0	110.9	114.7	126.4
Nominal primary flow rate (L/s)	0.38	0.38	0.57	0.69	0.81	0.93	1.11	1.32	0.91	1.01
Nominal coil pressure drop (kPa)	5.0	5.0	9.5	16.2	24.0	16.0	59.8	95.8	53.6	69.9
Continuous DHW flow rate (L/h)	541	541	826	997	1160	1330	1596	1903	1968	2169
Peak draw off capacity (L)	30 min.	383	472	754	971	1326	1554	1865	2393	3304
	60 min.	657	746	1172	1476	1913	2228	2673	3357	4402
	120 min.	1194	1283	1992	2467	3066	3549	4259	5248	6557
Dry mass (kg)	84	108	162	242	347	300	310	340	430	454

Output capacities and DHW flow rates based on 80/60:10/60 (GLC200-2000) and 80/50:10/60 (GLC 2500-3000) primary/secondary temperatures.

Connections

Label	Description	GLC200	GLC300	GLC500	GLC750	GLC1000	GLC1250	GLC1500	GLC2000	GLC2500	GLC3000
c, h	Water inlet and outlet	1"	1"	1"	1½"	1½"	2"	2"	2"	2½"	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"
f, r	Heat exchanger flow and return	1"	1"	1"	1"	1"	1¼"	1"	1"	1"	1"
s1, s2, s3	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	1"	--	--	--	--	1¼"	1¼"	1¼"	1¼"	1¼"

Dimensions		GLC200	GLC300	GLC500	GLC750	GLC1000	GLC1250	GLC1500	GLC2000	GLC2500	GLC3000
H	Height	1100	1615	1950	2080	1990	2125	2280	2525	2500	2870
D _o	Outer diameter with insulation	670	670	750	860	1060	1200	1250	1350	1450	1450
D _i	Inner diameter without insulation	--	--	--	710	900	950	1000	1100	1250	1250
f	Flow connection to coil	790	710	920	1045	997	1145	1215	1325	1465	1540
g1	Additional connection	680	620	1030	925	877	780	785	815	875	875
g2	Additional connection	540	805	1030	1110	1057	1230	1310	1495	1500	1625
T&P, g3	T&P valve / addtl. connection	865 (2x)	1295	1580	1725	1567	1735	1740	2105	2030	2410
s1	Sensor pocket	445	425	545	575	612	825	850	815	1000	1000
s2	Sensor pocket	795	1295	1580	1725	1577	1400	1470	1730	1670	1850
s3	Sensor pocket	--	--	--	--	--	1735	1740	2105	2030	2410

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