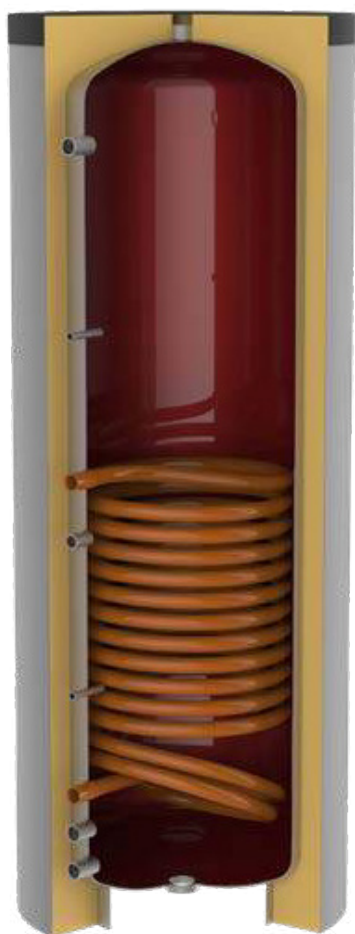


Advenco GLC 200-3000

Glass Lined Calorifiers for Domestic Hot Water 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, magnesium sacrificial anode, and temperature gauge 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.

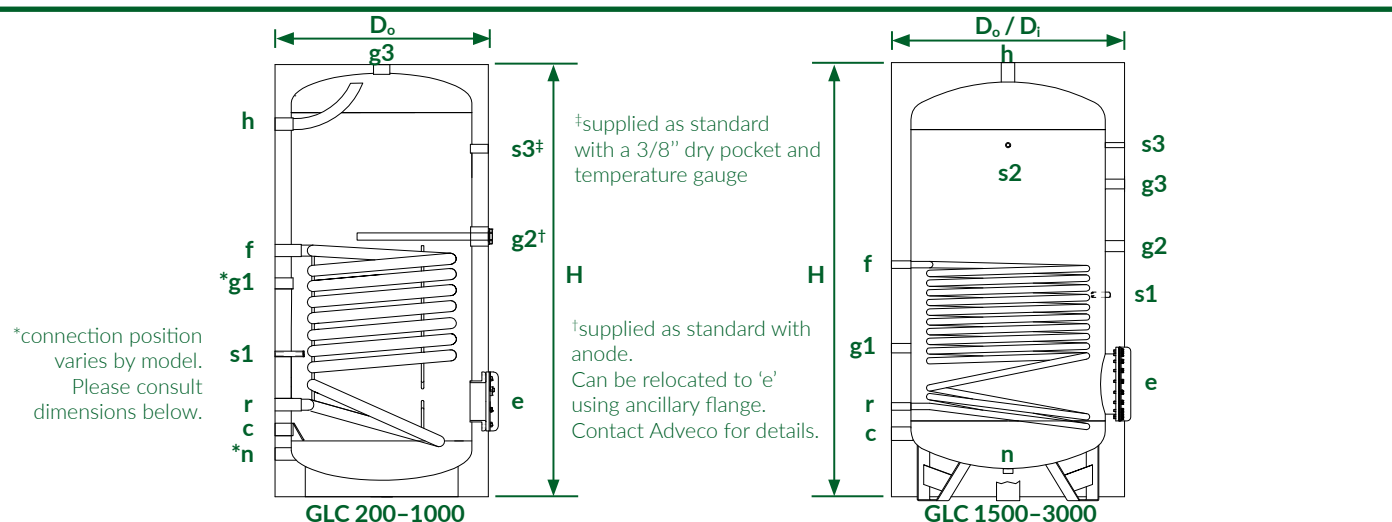
FEATURES

- Available with 200 - 3000 litre capacities
- Single fixed primary heating coil
- Produced from high quality steel with blue glass lining (200-1000L) or blue enamel lining (1500-3000L)
- Rigid high density polyurethane foam insulation (200-1000L) or removeable polyester fibre jacket (1500-3000L)
- WRAS approved (200-1000L) and Kiwa KUKreg4 approved (200-3000L) product range
- Suitable for vented or unvented installation
- Includes magnesium sacrificial anode and temperature gauge as standard
- 6-10 bar / 85°C max. working pressure/temp (tank)
- 12 bar / 110°C max. working pressure/temp (coils)



OPTIONS & ANCILLARIES

- Electric Immersion Heaters from 3-36 kW
- E0008/0-95: Control Thermostat
- E00011: Overheat thermostat
- MB0001: Destratification pump kit
- Unvented Kits: Contact Advenco for options and details
- Cleanout flange to immersion heater or anode adaptor plates



Model GLC	200	300	500	750	1000	1500	2000	3000
Storage volume (L)	197	265	447	695	1053	1460	2065	2966
Standing losses (W) / Energy efficiency class	60 / B	65 / B	98 / C	106 / C	131 / C	151 / C	192 / C	303 / --
Maximum working pressure tank / coils (bar)	10 / 12	10 / 12	10 / 12	10 / 12	10 / 12	6 / 12	6 / 12	6 / 12
Coil surface area (m ²)	1.4	1.4	2.0	2.4	2.7	3.7	4.3	5.2
Output capacity (kW)	31.5	31.5	48.1	58.1	67.6	93.0	110.9	126.4
Nominal primary flow rate (L/s)	0.38	0.38	0.57	0.69	0.81	1.11	1.32	1.01
Nominal coil pressure drop (kPa)	3.0	3.0	9.5	16.2	24.0	59.8	95.8	69.9
Continuous DHW flow rate (L/h)	542	542	827	1000	1163	1600	1907	2174
Peak draw off capacity (L)	30 min.	429	483	771	1056	1424	2606	3460
	60 min.	700	754	1185	1556	2005	3559	4547
	120 min.	1242	1296	2012	2556	3168	5466	6721
Dry mass (kg)	84	122	195	260	330	255	325	411

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

Connections		200	300	500	750	1000	1500	2000	3000
Label	Description								
c, h	Water inlet and outlet	1"	1"	1"	1½"	1½"	2"	2"	3"
g1	Additional connection	¾"	¾"	¾"	1¼"	1¼"	1¼"	1¼"	1¼"
g2	Additional connection	1½"	1½"	1½"	1½"	1½"	1½"	1½"	1½"
g3	Additional connection	1¼"	1¼"	1¼"	2"	2"	1¼"	1¼"	1¼"
f, r	Heat exchanger flow and return	1"	1"	1"	1"	1"	1"	1"	1"
s1, s2, s3	Sensor pocket	½"	½"	½"	½"	½"	½"	½"	½"
e	Clean-out / additional flange (mm)	Ø180/120	Ø180/120	Ø180/120	Ø280/205	Ø280/205	Ø380/300	Ø380/300	Ø380/300
n	Drain	1"	--	--	--	--	1¼"	1¼"	1¼"
Compatible ancillary item installation positions *contact Advenco for options	T&P safety valve	g1, g3	g3	g3	g3	g3	g3	g3	g3
	Sacrificial anode	g3, g2, e*	g2, e*	g2, e*	g2, e*	g2, e*	g2, e*	g2, e*	g2, e*
	Immersion heater	e, g2*	e, g2*	e, g2*	e, g2*	e, g2*	e*, g2*	e*, g2*	e*, g2*

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

Dimensions		200	300	500	750	1000	1500	2000	3000
Label	Description								
H	Height	1100	1615	1950	2050	1970	2280	2600	2870
D_o	Outer diameter with insulation	670	670	750	855	1055	1250	1350	1450
D_i	Inner diameter without insulation	--	--	--	--	--	1000	1100	1250
f	Flow from primary coil	790	750	970	1045	997	1215	1325	1540
g1	Additional connection	680	650	1320	925	880	785	815	875
g2	Additional connection	540	805	1030	1110	1045	1310	1495	1625
g3	Additional connection	1100	1615	1950	2050	1970	1630	1965	2120
s1	Sensor pocket	445	435	530	575	587	1060	1165	1375
s2, s3	Sensor pocket	795	1295	1570	1725	1577	1830	2150	2410