

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 manufactured from high quality carbon steel with a blue enamel protective lining. Each tank features a single fixed heat exchange coil at low level, as well as a cleanout flange compatible with a range of backup immersion heaters.

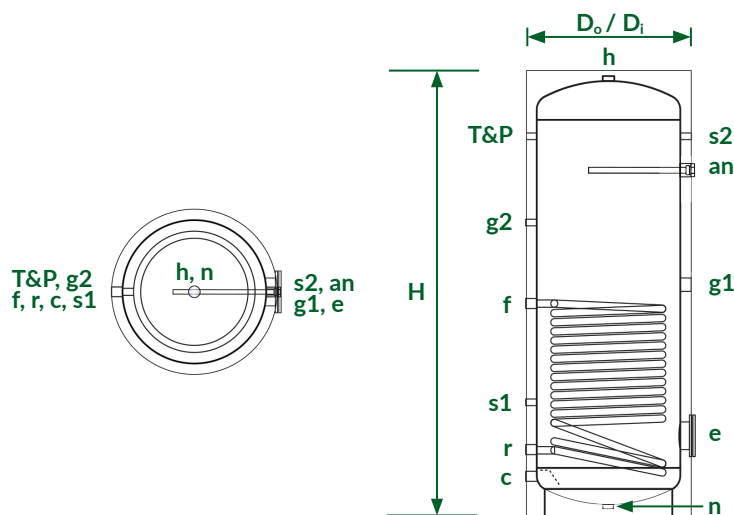
The GLC range is supplied as standard with a sacrificial magnesium anode for corrosion protection and is suitable for use in systems with maximum working pressure up to 6–8 bar and temperatures up to 85°C.

FEATURES

- Available with 200–3000 litre capacities
- Single internal fixed heat exchange coil
- 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 GLC	GLC200	GLC300	GLC500	GLC750	GLC1000	GLC1500	GLC2000	GLC2500	GLC3000
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 (m ²)	0.90	1.30	1.95	2.70	3.00	3.70	4.80	6.00	8.00
Output capacity (kW)	21.0	29.4	44.0	58.4	64.0	80.0	98.6	110.0	138.0
Nominal primary flow rate (L/s)	0.6	0.6	0.8	0.8	0.8	1.1	1.1	0.8	0.8
Nominal coil pressure drop (kPa)	1.8	2.2	4.0	5.7	6.2	12.0	14.0	67.0	90.0
Continuous DHW flow rate (L/h)	360	505	755	1002	1098	1373	1692	1888	2368
Peak draw off capacity (L)	30 min.	303	444	717	1020	1206	1756	2272	3395
	60 min.	483	696	1095	1522	1756	2442	3118	4578
	120 min.	844	1201	1850	2524	2854	3815	4810	6947
Weight (kg)	64	83	112	177	206	323	452	348	404

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

Connections

Label	Description	GLC200	GLC300	GLC500	GLC750	GLC1000	GLC1500	GLC2000	GLC2500	GLC3000
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"
f, r	Heat exchanger flow and return	1"	1"	1"	1"	1"	1"	1"	1"	1"
s1, s2	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

		GLC200	GLC300	GLC500	GLC750	GLC1000	GLC1500	GLC2000	GLC2500	GLC3000
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
f	Flow connection to coil	655	795	835	907	1055	1110	1280	1350	1530
g1	Additional connection	725	845	915	962	1125	1180	1340	1470	1600
g2	Additional connection	915	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	1110	1365	1390	1440	1785	1740	1955	2170	2355

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