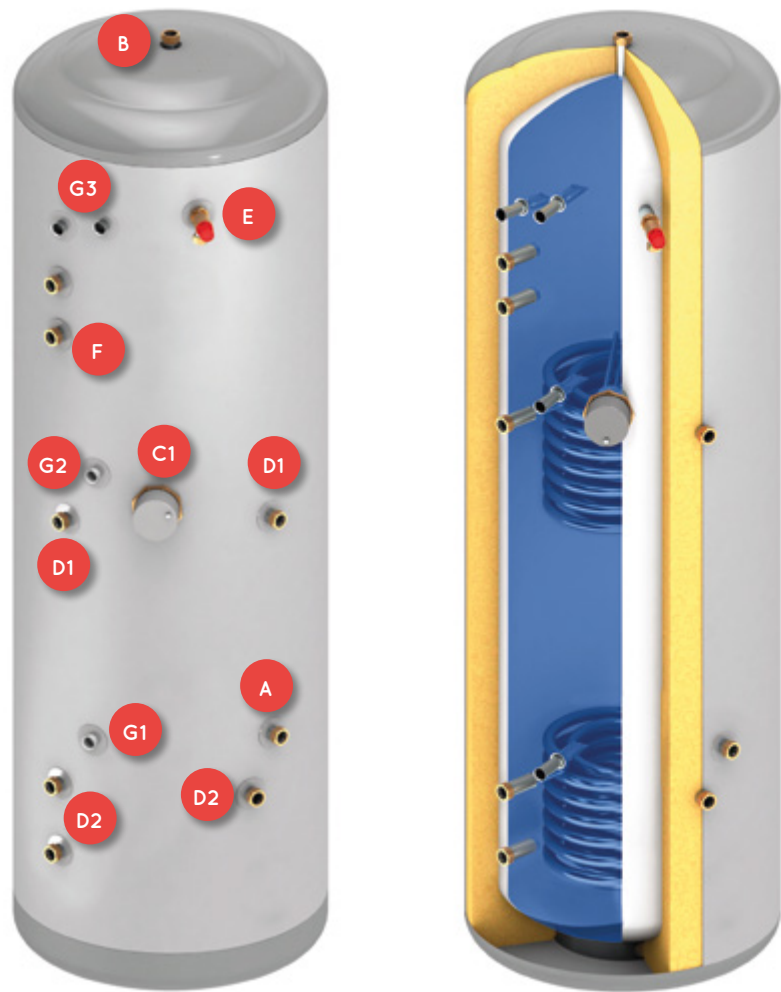


Envirocyl™ Twin Coil Solar Cylinder

Envirocyl™ twin coil solar cylinders have been designed for use with heating systems where solar thermal is used to compliment a traditional boiler.

The cylinders feature a purpose-designed solar coil with a large surface area to allow maximum heat transfer of renewable energy into the stored water. The lower coil connects to the solar thermal system and the upper coil to the traditional heat source. A factory-fitted 3 kW immersion heater is also supplied as standard.

Available in a range of capacities, the cylinders are recommended for use with Firebird EnviroSol™ solar thermal systems in conjunction with a traditional boiler such as Firebird EnviroGreen™.



Connections

- A** 3/4" BSP male thread cold feed with dip pipe to diffuser in bottom of cylinder (1" Female BSP connection on 400/500L model with no diffuser)
- B** 3/4" BSP male thread hot water outlet (1" Female BSP connection on 400/500L)
- C** Immersion heater*
- D1** 3/4" BSP male thread boiler coil connections
- D2** 3/4" BSP male thread solar coil connections
- E** 1/2" NPT x 15mm temperature & pressure relief valve (3/4" NPT x 15mm temperature & pressure relief valve* 400-500L)
- F** 3/4" BSP male thread secondary return (cylinders with a capacity of 210 litres and above only)
- G1** Dry stat pocket (solar)
- G2** Dry stat pocket (boiler)
- G3** Dry stat pocket (high limit)

*Factory fitted

Connection Locations

Nominal Cap. (L)	A	B	C	D1	D2	E	F	G1	G2	G3
	(mm)									
210	465	1496	830	779	365	1270	1150	420	834	1270
250	465	1746	1000	950	365	1520	1400	420	1005	1520
300	465	2055	1030	980	365	1830	1600	420	1035	1830

Product Information

Product Code	Capacity Litres	Height mm	Diameter mm	ErP Rating*	Standing Loss
SOL215ITK	210	1496	550	C	73
SOL255ITK	250	1746	550	C	91
SOL305ITK	300	2055	550	C	87

Technical Information

Product Code	Expansion Vessel Litres	Weight (empty) kg	Heat-up Time min	Indirect Coil kW	Heat Loss kW/24h	3 kW Immersion Heater
SOL215ITK	18	50	35	21.35	1.76	X 1
SOL255ITK	18	55	41	22.40	2.19	X 2
SOL305ITK	25	60	52	21.43	2.09	X 2

Factory fitted



Temperature & pressure relief valve
1/2" NPT x 15mm (7 bar/90°C)



Immersion heater**
3kW - 14"

* Based on thermostat set a 60°C

**Factory fitted