



SOLAR 3C

Next Generation Heating

A new star is born

Discover the unique
benefits of Solar 3C

Delivering Space Heating
as well as Hot Water

CuBrAlcoTM

Professional Plumbing Products

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SOLAR 3C

A new star is born

Revolutionary new solar heating that integrates with both under floor and radiator heating systems

Why fit a twin-coil cylinder when you can do all this..?

With energy prices rising and the environmental demands for a greener approach to living, more and more households are looking for a heating system that can cut their carbon footprint and reduce their energy bills.

The heart of the Solar 3C system is the patented cylinder which has two input coils, one for solar thermal and one for an auxiliary heat source such as a boiler or heat pump. The unique and patented third (output) coil enables all / any spare available energy to be transferred to the heating system.

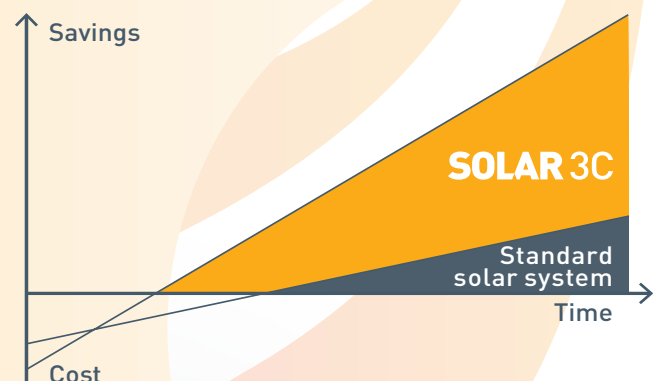
This three coil cylinder combined with the intelligent weather compensating controls package and unique pre-plumbed installation jig enables not only the domestic hot water to use the collected solar energy, but also the heating system.

Many of our customers have shown a significant saving in the running costs of their heating and hot water systems compared to conventional systems. Solar 3C is also effective for much more of the year (typically 10 months out of 12) reducing carbon emissions and fuel bills substantially more than standard solar hot water systems.

The cylinder has the same footprint as a conventional twin cylinder with the coil and sensor connections located conveniently on one side. The cylinder is available in 382 and 510 litre capacity. All can be banked and boosted for larger installations.

The system works by making full use of energy collected by the solar panels even when this is stored at relatively low temperatures. The control system will ensure that this warm water is used in the heating system before activating the boiler or heat pump.

- Solar 3C uses a revolutionary triple coil cylinder along with an intelligent connection jig and control panel to deliver a better solar performance
- The cylinder connects to any solar thermal system
- Can be used with Biomass/Solid fuel appliances when installed with a neutral point
- The pre-plumbed installation jig takes care of all the connections needed to supply warmth throughout the property
- Designed to fit any existing systems and living space, Solar 3C is easy to install and maintain
- The patented triple coil hot water system will fit most standard airing cupboards
- The control system automatically analyses the heat output dependent upon outside weather conditions and this makes the home more comfortable to live in, whilst further reducing energy consumption
- A range of 1,2 and 3kW immersion heaters to maximise the potential of Solar PV panels



- Significant energy savings
- Ideal for new build or for upgrading existing systems

SOLAR 3C

The System

Cylinder

Our patented triple coil hot water storage cylinder is designed to fit in a standard airing cupboard space. The addition of the third coil enables solar energy to be used in underfloor or radiator systems - so that the benefits of renewable solar energy can be maximised. This is the essence of the Solar 3C system which makes it unique, ensuring that the maximum amount of solar energy from the panels is used within the home.

Connection

A unique pre-plumbed installation jig handles all the connections needed to distribute warmth efficiently around the property making installation quick, simple and easy.

Control

The fully automated intelligent control system handles all inputs and outputs. Assuming there is a demand for heat, the Solar 3C control will read and understand the external air temperature and the water temperature within the cylinder. The control will calculate the water temperature required to maintain comfort levels within the home.

The controls will always draw heat from the cylinder and solar panels to maximise energy savings. They will only run the boiler / heat pump when all solar energy has been effectively used.

Once the system has been commissioned the householder controls it easily and simply with a standard programmable room thermostat.

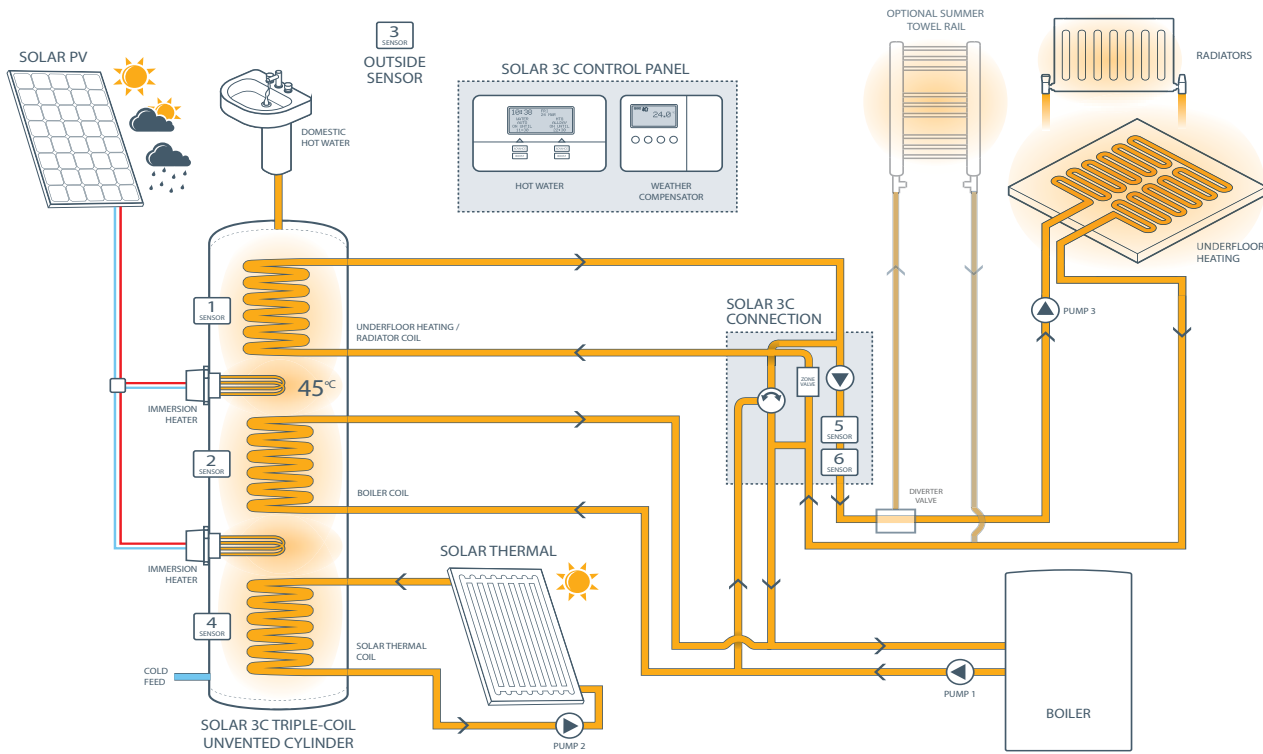


Our unique, patented triple coil design

Major Components

1	Cylinder
2	Control Box
3	Jig
4	Complete unvented kit
5	3C CAD Installation Guide

Product Code	382B	382HP	510B	510HP		382B	382HP	510B	510HP
Cylinder Material	Stainless Steel				Dedicated solar volume	130lt	130lt	184lt	184lt
Storage capacity	382lt	382lt	510lt	510lt	Solar coil area	1.2m ²			
Hot water connection	28mm				Standing heat loss @60c (kW/h/day)	3.42	3.42	4.14	4.14
Cold water connection	28mm				Auxiliary coil area	1.2m ²	3.0m ²	1.2m ²	3.0m ²
Temp & pressure relief valve @90°C	7BAR				Diameter (mm)	600	600	663	663
Immersion element	1,3,6 & 9 kW Outputs				Output coil area	1.2m ²			
Min water supply	1BAR				Normal working pressure	3BAR			
Max supply pressure	9BAR				Max working pressure	5.5BAR			
Weight full (approx)	447 Kg	447 Kg	602 Kg	602 Kg	Height (mm)	2100	2100	2057	2057



The above cylinder illustration shows a boiler back up middle coil (heat pump version available)

For illustration purposes only - we reserve the right to alter/ change any of the above at our discretion and without prior notice

Curb spiraling energy bills with Solar 3C, the revolutionary triple coil system.

Be part of the solar heating revolution

You will welcome the savings that Solar 3C can bring and will benefit from every ray of free solar energy collected from your roof.

We will give you all the support you need to make the most of this premium solar solution.

To find out more, call us on **01242 253817**... or email sales@solar3c.com

SOLAR 3C

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