



Oxford Brookes University

Product specification

- BUDERUS SKS 4.0
Solar Thermal Panels x 18
- BUDERUS SC40
Solar Optimising Controls
- BUDERUS KS0120
Solar Twin Pump Station

Oxford Brookes University began its life as long ago as 1865 when it was the Oxford School of Art, later becoming one of the first polytechnics to confer degrees in 1991. The following year it became a university and has grown rapidly, gaining a high academic reputation. In 2004 it established its first research institute, the Oxford Institute for Sustainable Development, and is fully committed to sustainability in all aspects of its activities. In 2007 it received a first class rating for its environmental credentials in an environmental table of universities.



Darren Taylor of specialist solar installation company Solar Solutions worked closely with the Buderus technical team to design the optimum solar system to heat the University's 25m swimming pool. "The Buderus service was nothing short of brilliant" remarked Darren. "Although we have been installing solar heating systems for a number of swimming pool installations recently, this was the first time we had actually used the Buderus collectors. In addition to helping with the system design, they also advised on grant availability, provided detailed analysis of performance, carbon footprint and pay-back periods as well as giving our installation team special training at their training centre. We were very impressed with the panels too, with high build quality and high performance."

There are 18 Buderus solar panels, fitted using the on-roof mounting system, giving a 40m² collector surface area in order to keep the pool constantly up to its 29°C temperature. Buderus SC40 solar optimising controls, and a KS pump station were also fitted to maximise operating efficiency between the boiler and the panels, and optimise flow rates through the solar system. The specification was created using a comprehensive database of weather and temperature conditions in the Oxford area over the last 10 years and included external weather sensors as part of the controls package.

Together Solar Solutions and Buderus have ensured a truly environmentally friendly installation. The high efficiency solar system heating the pool for the majority of the year, only calling on supplementary heat from the existing boiler on the limited number of dull days which do not provide sufficient solar irradiation levels.

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Intelligent Heating Solutions

Buderus

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please visit www.buderus.co.uk or call us for a quotation on (01905) 752 794

In the UK, Buderus is a brand name of Bosch Thermotechnology Ltd., Cotswold Way, Warndon, Worcester, WR4 9SW