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## SOLAR HEATING AND CONDENSING BOILERS FROM MHS KEEP GUESTS WARM AT HOLIDAY INN, BIRMINGHAM AIRPORT

The newly extended Holiday Inn at Birmingham Airport is enjoying green and sustainable heating and hot water thanks to the installation of 28 SOLARTRON® R 2.5 flat panel solar collectors as well as four Ultramax R607 floor standing condensing boilers from MHS Boilers. The installation also includes four 900 litre twin coil and three 3,000 litre single coil hot water cylinders from MHS.



The Holiday Inn, Birmingham Airport has recently undergone significant redevelopment adding an additional 103 bedrooms, as well as a conference area, meeting rooms, residents' leisure facility, bar and restaurant and seating areas. To add to the complication of the redevelopment, all the work had to be carried out while maintaining services to the hotel at all times. The M&E consultant for the redevelopment was Faarup Associates, and Hydro Mechanical Services Ltd was the mechanical installation contractor. Brett Stokes and Peter Gammon from MHS Boilers worked closely with Sutton Coldfield-based Hydro Mechanical Services Ltd to ensure the system was fully integrated, as well as successful installation and commissioning. MHS also supplied the A-frames which house the SOLARTRON® R 2.5 collectors.



SOLARTRON® R 2.5 flat panel solar collectors from Elco, are supplied exclusively in the UK by MHS Boilers. It is a low cost system which serves as back-up for domestic hot water generation and gets good energy returns the whole year round. At the heart of the SOLARTRON® R 2.5 collector is a full sheet copper absorber with a highly selective coating.

The size of the panels and the flexible mounting system make installation easy. The collectors can easily be mounted on tiled roofs and in several rows one above the other. A flat roof or ground mounting frame system is also available. The aluminium frame is supplied with temperature-constant mineral wool insulation to keep heat loss to a minimum. The solar safety glass used in SOLARTRON® R 2.5 has a weatherproof EPDM sealing strip to ensure robust protection of the collector and an energy transmittance of >91%. This safety glass can also withstand the heaviest hailstorm.

More/over...

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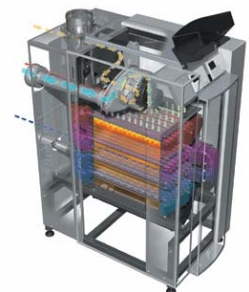


The Ultramax R600 range of ultra-efficient high output, fully condensing, gas-fired, floor-standing boilers from MHS has best-in-class NOx emissions and efficiencies of up to 109%. The range comprises seven models with outputs from 150kW to 571kW and utilises a proven water-cooled, down-firing, premix burner system with an all stainless steel heat exchanger assembly. Ultramax R600 boilers have a NOx emission of less than 35mg/kWh (which easily exceeds the requirements for the best BREEM score) and can return efficiencies of up to 109%. And for complete peace

of mind, an optional annual service agreement from MHS Boilers extends their guarantee to 10 years – which means you can rest assured that all parts and labour for breakdown or servicing will be covered.

Ultramax R600 boilers are designed to pass through standard doors, with widths from 670mm and floor space is kept to a minimum with a footprint from as small as 0.74m<sup>2</sup>. Each model is equipped with two return connections as standard, allowing high efficiency to be achieved when serving a mix of higher and lower system load circuit temperatures. Another standard feature is the option to utilise room sealed or open flue systems.

The Ultramax R600 is suitable for use in single boiler or multiple/cascade installations. If used singly MHS Boilers can supply plug and play optional extra low loss headers, and if being used as retrofit appliances onto aged systems, a matched boiler protection plate heat exchanger unit is available for total boiler isolation. The modulating burner system allows turndown ranging from 5:1 to 7:1 to return optimum efficiency at low system loads.



All Ultramax R600 boilers enjoy built-in reliability with all solid state controls and moving parts confined to the gas valve and fan, so there is little to wear through usage, plus all components are sensibly laid out within the uncluttered frame making maintenance a simple task. At just 59dba, the Ultramax R600 range is extremely quiet - making them perfect for noise sensitive applications such as residential blocks, schools and libraries. The heat exchanger carries a 5 year guarantee.

**For more information please visit:**



**MHS Boilers**

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**Ends**