

The Royal Institution of Great Britain, London

Products

- Purewell VariHeat boilers
- Boiler cascade controller

Sector

- Independant charity

Building

- Museum and events venue
- Refurbishment

Application

- Space heating 540kW
- Modular boilers



The Royal Institution of Great Britain



Purewell VariHeat boilers at work

The Royal Institution of Great Britain (RIGB), situated in Mayfair, London has undergone a £22 million, two and a half year refurbishment and three Purewell VariHeat 180kW condensing boilers are ensuring the temperature is comfortable.

The RIGB is an independent charity dedicated to connecting people with the world of science. With three floors of exhibition, events space, a café, bar and restaurant, the heating and hot water temperatures must be precise.

Founded in 1799, the RIGB has built a reputation for excellent lectures, cutting-edge science, and science communication has been a major force in many scientific discoveries. Hamworthy is proud to be playing its part in heating the building for the various facilities on offer.

Our Solution

The Purewell VariHeat boilers were specified by Faber Maunsell for their compactness and resilient performance; particularly as the plant room is narrow and requires the best use of limited space available.

Commented George Clancy from IES: "Hamworthy Heating is an approved manufacturer specified by the designers and we're happy with the choice. The five floors are heated via radiators and fan coil units and we expect the boiler performance to be well suited to the building."

The Purewell VariHeat condensing boilers, with a combined output of 540kW, have great environmental credentials with ultra low emissions, achieving European Class 5 performance and exceeding Building Regulations requirements for seasonal efficiency.

Designed as direct replacement for cast iron atmospheric boilers, the Purewell VariHeat occupies the same space as its predecessors but with 50% more output and exceptional efficiencies of up to 108% net on its condensing models. The range consists of nine models; four

high efficiency and five condensing versions, with outputs ranging from 65kW to 180kW per boiler.

The Purewell VariHeat's are suitable for multiple boiler installations, such as the RIGB, and have a comprehensive controls package which can be configured to meet the exact needs of the heating system. Hamworthy supplied the boiler cascade sequence control system which optimises the use of the boilers for maximum performance and reliability.



Hamworthy Purewell VariHeat boilers for multiple boiler installations