

West Ham Nursery, London

Products

- Purewell VariHeat boilers
- Pressurisation unit & expansion vessel

Sector

- Agriculture/Nursery
- Public sector

Building

- Greenhouses
- Refurbishment
- Listed (building) park

Application

- Space heating 540kW
- Modular boilers



BMS compatible Purewell VariHeat boilers are ideal for West Ham Nursery



The greenhouse plant room

Three Hamworthy Purewell VariHeat 180 condensing boilers are at the core of the unusual new greenhouse plant room at West Ham Nursery, built to satisfy the demanding requirements of growing plants and to meet conservation regulations.

Each year West Ham Nursery produces over 280,000 spring and summer bedding plants for the 77 acre park, and various gardens, churchyards and other open spaces in the City of London. The eight greenhouses within the nursery, sited across five acres require close heating control to maintain a constant temperature for optimum growing conditions.

Our Solution

To satisfy the requirements of the nursery, Maracom, Hamworthy's service partner in the South East, installed three Purewell VariHeat 180 condensing boilers into the plant room.

"The Park is Grade 2 Listed on the English Heritage Register of Parks and Gardens of Specific Historic Interest in England. It's also in a conservation area, which is why the greenhouse style was chosen. The park is owned and maintained by the City of London Corporation," said Keith Hamman, Projects Operations Manager for Maracom.

"Footprint and performance were vitally important for the boiler choice and Hamworthy's Purewell VariHeat was

deemed to be the best choice for the installation in both cases. The nursery required close control of load matching and the whole system is controlled by a Building Management System (BMS) to ensure it retains the perfect atmosphere for the plants."

The Purewell VariHeat is suitable for multiple boiler installations and has a comprehensive controls package which can be configured to meet the exact needs of the heating system, and is BMS compatible; ideal for West Ham Nursery.

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. With a potential 540kW provided by three Purewell VariHeats, West Ham Nursery can rest assured that their heating needs are well matched by Hamworthy Heating.



Hamworthy products at work ensuring optimum growing conditions for the nursery's plants