oventrop MADE IN GERMANY

Case study

Valves, controls + systems

“Flypass”

“Regufloor HX”

“Hydrocor”

OVENTROP INTERFACE FOR BLUESTONE

Bluestone National Park Resort is a resort based in over 500 acres of spectacular Pembrokeshire countryside. Catering for those who love the great outdoors there are over 250 accommodation units situated on the site comprising of a range of cottages lodges and cabins. The entire hot water and heating for the accommodation units is provided all year round by an environmentally friendly biomass system.

When the park extended its accommodation offering by a further 62 new luxury holiday lodges it was essential that the biomass system could be connected in a way that offered each lodge user individual precise control of the heating system within each lodge.

Bullock consulting were employed to engineer the system and were soon in contact with Oventrop to create a specific solution for the site. Heat Interface Units were decided upon. Bullock consulting took time to visit the Oventrop Professional Development Centre to further brief us on their requirements for the project and to see our proposals on the numerous live working demonstration rigs.

Each heating-only interface unit, was provided complete with an integrated flushing bypass arrangement ‘flypass’ and safety group, providing each lodge with a hydraulic break from the site wide biomass heating system and a heating capacity of up to 15 kW. The lodge heating water temperature is controlled by a pressure independent control valve on the primary heating and a mechanical temperature controller on the secondary heating.

Hot water was stored in a ‘Hydrocor’ domestic hot water cylinder supplied as part of the system and sized to meet the demands of each lodge type.

Full training, support and ‘just in time’ deliveries were given to the installing contractor ensuring a first class level of service throughout the project.