



Spa hotel is first to benefit from new Calorex Delta

The Crown Spa Hotel in Scarborough is one of the first commercial water leisure venues to benefit from the smart technology control and energy cost savings of Calorex's brand new Delta environmental control system.

The new-style Delta 6 was selected as the ideal upgrade for a Calorex Delta 6B, which had provided 14 years of trouble-free service within the hotel's swimming pool hall.

With new touch screen technology and a remote internet connection, Calorex's upgraded Delta now allows the hotel's management team to control the pool room directly from a computer or smartphone.

All the models in Calorex's Delta range of swimming pool environmental controls now come with a 5.7" touch screen display providing a more flexible approach to system management. The unit can be controlled and adjusted on-site to match fan speeds precisely to ductwork resistance and automatically vary exhaust speeds to match building load requirements.

Anthony Houfe of Hull-based Pool Heat Ltd, a Calorex approved service agent, specified and installed the new Delta unit. He explains: "The hotel is very

'green' and environmentally friendly and wherever possible looks to reduce energy usage.

Since the installation of the new Delta we have seen a marked improvement to the pool hall environment and pool water. It is more economical and convenient to use. The support and professionalism we have received from Anthony at Pool Heat and Calorex has been excellent.

"I spoke with the hotel's spa manager about the new PLC Calorex model. He asked us to provide some more information so they could weigh up the benefits of the new model over the existing one and asked for a price. They were delighted to hear that the new PLC controller was included in the price and there were no hidden extras. They did the sums and an order was duly placed with us."

Space allowance and issues with the construction of the plant room at the Crown Spa Hotel meant that old unit had to be dismantled and removed in sections. Upon advice from Calorex, the new unit was then assembled on-site.

"The old machine was stripped down and brought out of the plant room in manageable pieces. We then stripped the brand new machine down taking out everything from the inside – the coils, compressor, fans and wiring. In fact, we stripped it to a point that you wouldn't recognise it as a Delta. We

carried everything back into the plant room and then started to rebuild it panel by panel," explains Anthony.

"We literally built it on-site, brazed up the refrigeration circuit and charged it with refrigerant, plumbed the water circuit and wired it all up. The rebuild took a few days including numerous rivets, installing the wiring loom, rewiring the complete machine and all the pipe work inside the Delta. We pressure tested the refrigeration circuit, evacuation and finally recharged to Calorex standards and specifications."

Designed and manufactured in the UK under ISO9001 compliance, Calorex's highly innovative Delta range also features new EC/inverter fans as standard. These new fans are approximately 20 per cent more efficient due to the ability to adjust and control fan speed based upon demand through the PLC controller which allows the overall system efficiency to improve by up to 40 per cent.

Since it was installed at the Crown Spa Hotel, the new Delta system has delivered the predicted energy cost reductions due to its updated features and has reduced the electrical consumption of the site. The hotel's spa manager, Stuart Russell, has also noticed how efficiently the water heats up even after a backwash: "Since the installation of the new Delta we have seen a marked improvement to the pool hall environment and pool water. It is more economical and convenient to use. The support and professionalism we have received from Anthony at Pool Heat and Calorex has been excellent."

Anthony of Pool Heat concludes: "Being one of the first Delta PLC machines ever installed was not a concern for us as we have great confidence in the Delta's performance, and the fact that we had to build it from the ground up didn't faze us either. The build quality means that there was no other machine that we even considered, as no other machine on the market would have done the job we intended with such great results."

For more information on the comprehensive range of high performance units, contact the heating and ventilation division of the sole UK distributor, Certikin International.

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