



## Calorex assists with hydrotherapy rehabilitation

Calorex is maintaining ideal swimming conditions within a residential hydrotherapy pool, to aid the owner with her recovery and rehabilitation.

The award-winning indoor pool was designed and built by Wensum Pools of Norfolk, and was specifically designed for the disabled client to improve her quality of life.

It is essential that the pool water stays at a constant 35°C, so the Wensum Pools team specified a Calorex Pro-Pac 12 heat pump along with a Calorex Vaporex 50 dehumidifier and a 4kW heater to do the job.

“We needed an air source heat pump and it had to be as economical as well,” explains Ben Halton-Farrow of Wensum Pools.

“Ultimately it needed to be reliable, economical and efficient,” he added.

Heat pumps are recognised as the most sustainable way to dynamically heat swimming pool water, saving on both energy and operating costs. Typically, Calorex Pro-Pac units offer up to 334% savings on operating costs and a 50% reduction in carbon compared to fossil fuel boilers.

Meanwhile, high levels of humidity if left unchallenged can be a major problem in an indoor pool environment. Water evaporating from the pool surface increases air humidity, and can eventually lead to mould, structural damage or collapse.

Calorex’s high-performance dehumidifiers, such as the Vaporex, recirculate the air and physically remove moisture from it. This alleviates the need to continuously reheat incoming air. Not only that, the units cleverly convert energy taken out of the room by moisture (latent energy), to create ‘sensible energy’ that can be used to heat the room, accelerating the drying process.

Typically, for every unit of energy that a Calorex dehumidifier consumes, it will convert 2.5 times this amount to useable heat. The potential energy savings are huge. In fact, compared to traditional heat and ventilation energy, cost savings of 500% are not unusual.

The Wensum Pools hydrotherapy pool achieved a Silver Standard award in both the Residential Indoor Pool of the Year and the Health and Wellness categories at this year’s UK Pool & Spa Awards.

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

t. 01993 778855 | e. [enquiries@certikin.co.uk](mailto:enquiries@certikin.co.uk)  
w. [certikin.co.uk](http://certikin.co.uk)

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