



Real Energy Savings

UV Systems

“The surprising result was that the total **saving of approx £39,000** over six months was three times the cost of the UV system. In other words, the UV system **paid for itself in just two months**, based on water and energy savings”

This is a quote from this months Swimming pool news and based on approximately 300 000 bathers in a 6 month period

Pool Covers

Interest Free loans are available to schools to fund energy saving projects, like pool covers **“loans repaid using the money they save”**

Dosing pumps and Inverter Drives

“It is estimated that electric motors consume approximately **30% of all the electricity generated in the world**, The International Energy Agency (IEA) estimated that energy efficient motors used in conjunction with frequency converters could **reduce world electricity consumption by 7%**.

If you use a variable-speed drive to reduce the flow of a pump from 100 percent to 80 percent, then you **save about 50 percent of the energy**.

This is achieved in centrifugal pumps, as they are variable-torque loads, so power actually varies in proportion to the cube of the speed. Hence, by reducing the speed by a certain percentage, the power reduces by the cube of the speed change. So **80 percent speed results in $(0.8)^3 = 51$ percent power saved**. [Variable speed drives](#) cut maintenance and repair costs not only to the pump, but to the associated valve as well.

Click [here](#) to read about a small local swim school enjoying savings made, using the **“energy efficiency financing”** offered by the Carbon Trust

If you wish to discuss energy savings, filters, Service, or training, please contact Karen on 01246 857000, or reply to this email and one of our team will call you back, or visit our website [here](#)

Pool Plant Room Training

Monday October 31st – Water Testing Workshop in Warwickshire

Wednesday 7th December: Small Pool Operators Certificate; Abergavenny Leisure Centre

Friday 9th December; PPO Information Update Seminar; Abergavenny Leisure Centre

Monday 16th January 2012: Full Pool Plant Operators Certificate; Caldicot Leisure Centre

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