

FUTURE WAVE™ ENERGY SAVER

A PATENTED PRODUCT MADE & OWNED IN AUSTRALIA THAT WILL SAVE YOU MONEY

- ▶ Huge Power Savings. Under monitored trials this has proven in the majority of cases to save 80% of the running cost for the pool pump e.g. for the average pool pump, a saving of approximately \$700.00 /year (at present electricity charges) + 3 tonnes of Carbon Gas Emissions.
- ▶ Silent running of pump
- ▶ Improved pool filtering and cleaning
- ▶ Less wear and tear on pumps and filters
- ▶ Suitable for Domestic and Commercial Pools
- ▶ NO plumbing or hard wiring required
- ▶ Advice from Agent on Power Saving Settings and Installation
- ▶ Can be used on over 90% of all existing pool pumps, spas and water features already in use – no need to change your pump
- ▶ Can pay for itself in 1-2 years, depending on running times and Tariff Charges

5 years of trials and engineering reports, have proven that The Future Wave™ can deliver up to 80% reduction to your pump power bill, also allowing the pump to be run DAY or NIGHT due to the noise reduction. The average pool pump uses up to 4 tonnes of Greenhouse Gas Emissions per year. The Future Wave™ is capable of reducing this amount by 80%, if it was taken into account that $\frac{1}{2}$ of domestic pools in Australia used this system, the reduction of Carbon Emissions would be, at the very least 2 million tonnes. This does not take into account the huge savings in the commercial industry.

SUMMARY OF THE ENGINEERING REPORT as follows:

by H.J. Young & Associates FIE AUST., CP ENG., RPEQ

With meaningful reductions of pump speeds the energy demands could be reduced from the present 5.62 watts to 1.85 watts /litre /minute. Lower pump speeds would also reveal a new spectrum of conditions and performances.

- ▶ The importance of matching pump capacities to pump loads
- ▶ The improved efficiencies of pump operations at lower speed
- ▶ The reduction of iron, copper, friction and windage losses in the pump motors
- ▶ The reduction of heat within the stator, rotor and bearings of the pump assemblies
- ▶ The substantial reduction of noise
- ▶ The regulated, 'hammerless' starting and stopping of pumps
- ▶ The increased potential service life of the pump assemblies with less maintenance
- ▶ We would suggest that the contents of this report be seriously assessed by power consumers, supply authorities and governments.

FLOW RATE PERFORMANCE

3 Power Saving Levels can be set using the Selector Switch. These levels have been set to match pump flow rate to energy saving after the pump has primed.

These flow rates have been proved to be the most beneficial to filtering and pool cleaning. (Highest Saving being the most common).

All flow rates can differ in pools due to factors such as pressure, plumbing, filtering, spas or water-features. Flow rates can be adjusted for special purposes e.g. matching flow rates to heat exchange units and water features.



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