



# A C I D E

AQUAVIC MADE IN AUSTRALIA  
QUERCUS MAGNAE A GLANDIBUS CRESCANT



THE OFFICIAL MOUTHPIECE OF THE AQUAVIC IONISER USER'S GROUP

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## From the Director:

Let me begin by confirming that Aquavic is very much alive and well. Yes, it has been a tad quiet since the previous edition of our newsletter (Website Downloads Vol.21 no.1) but the industrial arm of our business, legionella control in aged- facility's tepid water systems, which are, by definition, immune to the vagaries of the weather, gave us a comfortable level of turnover throughout.

For the 'recreational waters' component of our business - swimming pools, hot tubs, plunge pools, spas etc. - three consecutive non-summers - *and the coldest start to winter since 1913* - coupled with a world-wide pandemic, certainly slowed us down somewhat, but one glance at our motto on our masthead reminds me that over two decades ago - July 2000 to be exact - we had an even bigger challenge to overcome when we made the decision to 'hang out our shingle'. We started from a nil customer and low knowledge base and began tackling the very steep learning curve encountered by any start-up company, a task made even more onerous by the industry's belief generally that for every pool water quality issue there was a complex - and often expensive - chemical remedy. We were convinced that there had to be a better way, and 23 years later we are more committed more than ever to the low energy, non-chemical solution.

## Our Masthead Motto:

And whilst on the subject of steep learning curves: roughly translated, our motto reads, "*Great oaks from little acorns grow.*" and we certainly began as a very small acorn. We're now several years into our third decade of promoting our unique drinking quality pool water systems, our customer base continues to grow, we are in excellent shape, and very much looking forward to this coming swimming season. That humble acorn has since taken root and is now very much part of the recreational waters arboreal landscape.

## Climate Change the Reality:

We certainly live in interesting times. Putting the pandemic to one side for the moment (*if only it were that easy*) with large areas of The Dandenong Ranges still recovering for last years ferocious wind storm, Northern NSW and QLD devastated by consecutive one in 100 year flood events resulting in loss of lives, homes and businesses, global warming, severe bleaching of the coral on our Great Barrier Reef, etc. even the most ardent climate change denier must be having second thoughts by now - and the recreational waters component of our business is very much allied to climatic conditions. Paradoxically, it bodes well for the recreational waters industry generally as higher temperatures for longer periods means increased use of swimming pools. We certainly live in strange times.

## It ain't over yet:

With the gratuitous TV news images of hypodermics being thrust into countless numbers of arms no longer dominating every news bulletins, we could be excused for believing that the pandemic has been committed to history. Unfortunately, the reality is very much the opposite. Hospital emergency



departments are forced to turn away many in need of urgent medical intervention, ambulance services and GP clinics are stretched to breaking point. And recent events very close to this family business confirmed that 'The Virus' is still very much amongst us, stressing the importance of not becoming too casual about the need to maintain proven common sense precautions such as social distancing and masks.

**Conserving Energy:**

What better way to cut the running and maintenance costs of your pool than to replace your power hungry pool pump and chlorine gas generators - aka mineral salts chlorinators - with one of our low energy pool algacide and sanitising systems. "Too good to be true" I hear you say? Not so.

To make a real world comparison of the energy consumption of your existing system, and our low energy Australian-made systems, contact our office for a **live copy** of our comparison check sheet, a sample of which is attached. It will enable you to enter your own data\* into the yellow boxes and compare the results. You'll be amazed at the savings to be had - and our planet will breathe a little easier. Then contact our office for a quote. We've plenty in stock and at prices that won't break the bank.

\* easily obtained from the pump motor and chlorinator specification plates, recent power bill (tariff for peak and off-peak power) time clocks for run times etc.

		Your Ref: <input type="text" value="Insert Customer's Details Here"/>		Iss: 14.07.2016				
Cost Comparison Chart for a Typical 5 Year Cycle.								
<b>Consumables</b>								
RRP Replacement Ioniser electrodes:		\$ 247.00	Estimated Life Cycle (months) =		52	Per 5 Year Cycle = \$ 285.00		
RRP Replacement typ. CCG* Salt Cell:		\$ 450.00	Estimated Life Cycle (months) =		36	Per 5 Year Cycle = \$ 750.00		
<b>Power Consumption - Ioniser</b> (Typical 40,000 litre Outdoor Pool)								
Flowcell	DC Volts	7.8	DC Amps	0.28	kW =	0.002	Hrs. Run time per day = 3.0	kWh 5 Year Cycle = 11.957
Salt Cell	DC Volts	9.0	DC Amps	18.00	kW =	0.162	Hrs. Run time per day = 8.0	kWh 5 Year Cycle = 2365.200
<b>Power Consumption - Pump</b> (Typical 40,000 litre Outdoor Pool)								
Pump - Ionised Pool.		0.30 kW	Run time per day =		4.0	Total kWh/day =	1.2	Total kWh 5 Year Cycle = 2190.0
Pump - Salt Pool.		1.10 kW	Run Time per day =		10.0	Total kWh/day =	11.0	Total kWh 5 Year Cycle = 20075.0
Input kWh Tarrif Applicable =					\$	0.35		
<input type="text"/>		Operator Input Required.						
		* CCG denotes Chlorine Gas Generator						
				Total Cost Ionised pool =		Per Annum = \$ 64.87	Per 5 Years = \$ 778.46	
				Total Cost CCG Pool =		Per annum = \$ 782.62	Per 5 Years = \$ 9,391.45	

**Screen shot of our energy and cost comparison chart.**

Contact Aquavic for a live copy: [aquavic@optusnet.com.au](mailto:aquavic@optusnet.com.au) 03 9723 4223 0401 691984

**Our Systems:**

Not only are we still here, but we're anticipating an increased level of interest in our fresh water systems. And what better way to start than to renew our ads on our Facebook page and to run another series of ads in the ever-popular Poolside series of high quality industry magazines. Our add has been brought up to date (see copy below) and heralds an increased emphasis on **drinking quality water**, a unique feature of

our products that sets us apart from all others. The icing on the cake is the low energy requirements of our pool packages, which are designed and manufactured right here in Australia, by your fellow Australians.

### **Vale New Millennium:**

In their two decades of service our **New Millennium** ionisers gained an enviable reputation for rugged reliability and exceptional performance, but 2 decades later we were well and truly into the new millennium and judged that it was time for a change - not only the title but the electronics too. Given that brief, our design team set to work, and, building in the lessons learned from the **New Millennium** units, took the opportunity to not only add a battery-backed digital time clock, but to bring the electrical protection and electronics right up to date.

The fruit of their labour is our recently released **Series 3** controller (<150,000 litres capability) and our **Aqua Soleil** (< 40,000 litres capacity) the latter being unique in that it is designed to run off any 12VDC power source. This feature alone makes for a very versatile unit able to be run on anything from an off-the-shelf plug-in power pack to off-grid solar applications making them well suited for remote fountains and water features. And yes, we can supply a compact centrifugal pump to take care of the circulation. It simply plugs into the Aqua Soleil controller giving you one-stop-shopping for your off-grid fountain, pond or water feature. Contact our office for details. Very much cheaper - not to mention safer - than running subterranean 240 volts power cable.

### **Read the Instructions:**

Shortly after release, we did experience some issues with the **Series 3** units, but the so-called '*faults*' were found to be the result of owners not reading, or simply ignoring the instructions! I guess we're all guilty of that, but in this case it did result in replacement of several units under our unique lifetime warranty - with postage to / from at owner's expense. We did however have a closer look at the wording that was tweaked to minimise ambiguity. With that problem well and truly resolved, we look forward to the **Series 3** performing the lion's share of the work for another decade or so.

### **Lifetime Warranty:**

Of interest is that some of original entry level units, which were designated **ION-01** (didn't spend a lot of time on that title) were launched way back in 2002, are still in service today long past their anticipated 10 year use-by date. They were also Australian-made and aimed specifically at the DIY and kit pools market. With many still in active service, is it any wonder that we have no hesitation in offering a "**Lifetime Warranty**" with our products? No other manufacturer has the faith in their products to match that.

### **Electrodes:**

As we're all very much aware, prices of virtually all commodities and everyday consumables have increased at an alarming rate, with some items doubling their pre-pandemic prices - and our electrodes\* are no exception. They are each made of an alloy of copper (algaecide) and silver (sanitiser) and are the active component of all ionisers, ours included. The composition may vary but the industry standard is 95% copper and 5% silver, two of the most expensive metals on the commodities market.

Anybody who follows the spot price of copper and silver would be well aware that prices have doubled in the past 18 months, and this of course has a direct impact on our buying price, an increase that is passed on. We have chosen to absorb a portion of the increase, but the better news is that a pair of electrodes in a typical domestic pool has an active life expectancy of 3 to 4 years. We've even had the odd customer whose electrodes have lasted for over 10 years!

*\* Some choose to call them anodes, but 'Faraday's Constant for Electrolysis' and DC theory says that at any given time one will be an anode, the other a cathode, a condition that is reversed every time the polarity is switched. Because both are identical in composition, we simply tag them as electrodes. So much simpler.*



**A Pair of Aquavic Copper-Silver Alloy Electrodes.**

Note that although the blanks are identical, there are subtle differences in the hardware items which precludes them from being interchangeable in both versions of our flowcells. When ordering replacements, a photo with the order will ensure that the correct components are supplied.

**Aqua IONISATION  
Vic**

**AUSTRALIAN MADE FRESH WATER SYSTEMS**  
Aquavic's ionisation systems have very low energy consumption, and all our ioniser control units have a lifetime warranty\*.

**To experience DRINKING QUALITY WATER in your pool, contact Aquavic.**

To get in touch with someone local to discuss your ionisation needs, visit our preferred supplier agents at [www.aquavic.com.au/agents.htm](http://www.aquavic.com.au/agents.htm)

Telephone 03 9723 4223  
[www.aquavic.com.au](http://www.aquavic.com.au)

\*CONDITIONS APPLY

**Our new ad soon to appear in Poolside magazines.**



**The Director.**

*If you're not prepared to drink it, why would you let your children swim in it?*