



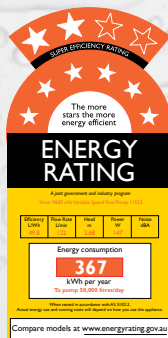
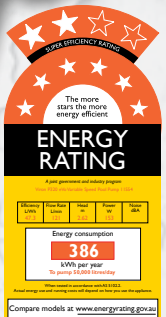
## Viron eVo Pool & Spa Pumps

The next evolution in energy efficiency

- ✓ The right size pump to suit your pool and filtration system
- ✓ Save up to \$1000 a year
- ✓ 8 star energy rating
- ✓ Reduce CO<sub>2</sub> Emmissions
- ✓ Quiet Operation
- ✓ Longer equipment life



Viron P320 eVo Pump



Viron P600 eVo Pump

# The Evolution of Energy Efficiency

AstralPool, Australia's leaders in energy efficient pool pumps release the next evolution in energy efficiency. Viron eVo Pumps are a range of fully variable speed energy efficient pumps to suit all pool sizes, filtration systems and your budget.

Most swimming pools are effectively filtered and sanitised with flow rates ranging from 120 to 200 litres per minute. In fact they will never require more than 250 to 300 litres per minute for tasks such as cleaning the filter or vacuuming the pool, and for these the Viron P320 eVo is ideal. However, for larger pools, multiple Spa Jets, water features or in floor cleaning systems, a larger capacity pump may be required. For these applications, AstralPool have developed the Viron P600 eVo, a pump with an impressive 600 litres per minute flow rate.

## Simplicity of Operation

Unlike so many complicated appliances today, Viron eVo has been carefully designed for ease of operation. Three programmed speeds are factory preset and will suit most pools and most applications. Each speed however, is able to be adjusted with a simple press of an up or down button. Operation is intuitive, with specific design input from the non IT generation to make the Viron eVo as user friendly as possible.

## The perfect match for your pool

Many factors dictate the ideal flow rate for your pool or spa. The filter often limits the maximum flow, but so will the plumbing and other equipment installed such as chlorinators, heaters, cleaners and water features. Each pump speed can be changed to optimise the water flow to suit your pool shape, cleaner type, size and location, making the Viron eVo range of pumps the most flexible and easy to use variable speed pumps on the market.

Suction cleaners, pressure cleaners, waterfalls, spa jets and in floor cleaning systems are all easy to cater for with Viron eVo Pumps' flexibility and programmability.

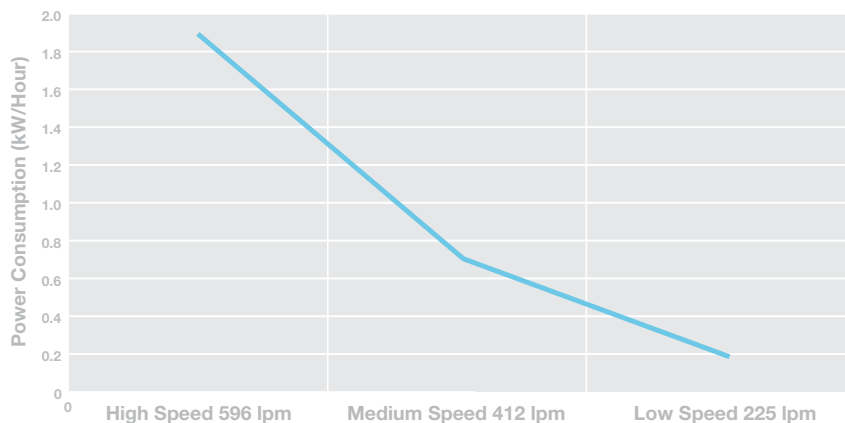
## Energy Savings

Increasing or decreasing the speed of a pump simply changes the flow rate by the same rate. However, the actual energy used to change the speed and flow varies dramatically. Halve the speed of your pump and the flow rate will also halve but, the energy consumed drops by more than 85%. Compared to conventional single speed pumps, the Viron eVo pump will save between \$700 and \$1,200 every year in operating costs.

## Environmentally Friendly

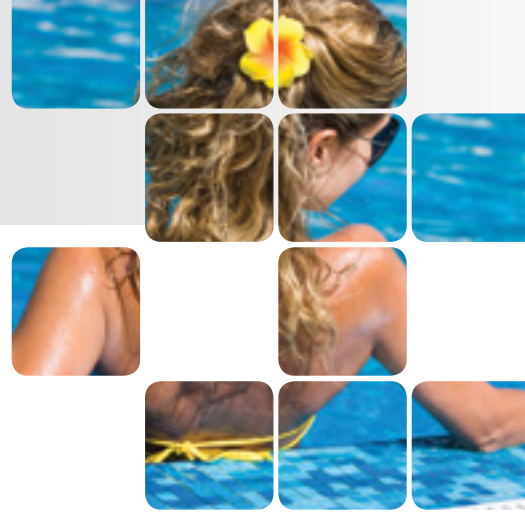
The Viron eVo range takes new steps forward in environmentally friendly pumps. In fact, a conventional single speed pump uses more energy, and is the cause of more CO<sup>2</sup> emissions than almost any other household appliance. Viron eVo pumps reduce energy consumption by up to 90% and effectively reduce greenhouse emissions by up to 90% (when power supplied from coal fired power plants). But, manufacturing a pump also contributes to greenhouse emissions. The larger the motor, the more raw materials go into it, and the more greenhouse emissions are used to produce the motor. AstralPool produce the right size motor for your individual application, reducing our carbon footprint in the manufacturing process.

**P600 eVo Power Consumption at Factory Set Speeds**



## Start Banking your savings today

Existing Pump	Annual Cost	Viron Replacement	Annual Operating Cost*	Annual Saving	Saving Over 7 Years	Annual Reduction in CO <sub>2</sub> Emissions (CO <sub>2</sub> at 1.1kg/kW hr)
2.0hp	\$1,165.00	Viron P600 eVo	\$85.00	\$1,080.00	\$7,560.00	5,952
1.5hp	\$890.00	Viron P320 eVo	\$92.00	\$798.00	\$5,586.00	4,346



CO2 Emissions  
Viron P600 eVo Pump (Annual)



\* Annual Operating Cost based on operating pumps at factory preset low speed for 8 hours a day, each day of the year. Actual operating costs may vary according to time spent on higher speeds and the actual speed required to effectively circulate water throughout pool, filtration and plumbing system.

Built for the tough Aussie climate

Your Viron eVo Pump is a significant investment. Each individual component is carefully designed and selected for maximum life span in the tough Aussie climate. 316 stainless steel hardware, robust engineering plastics and high quality silicone seals create a pump that lasts. Even the motor and sophisticated electronics are carefully designed and manufactured to be easily serviced and repaired. These are just some of the reasons the Viron Pump carries a 3 year in field warranty.\*

#### Viron P320 eVo

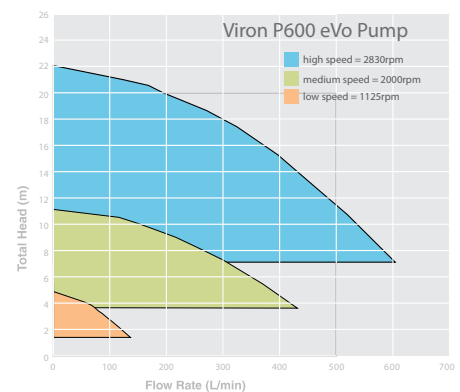
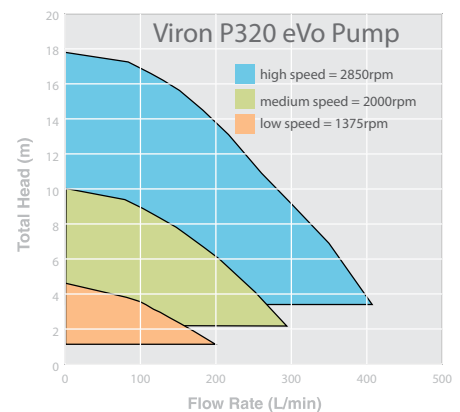
Ideal for the average sized pool, the P320 eVo has a flow rate sufficient to back wash up to 30" or 800mm diameter sand filters, provide a powerful vacuum when cleaning the pool and drive up to 6 spa jets. The large liquid crystal display clearly shows the RPM of the motor and enables adjustment of the start up priming time, priming flow rate, and visual display of each speed setting. The inbuilt 24 hour timer is easily enabled and provides up to four time periods each day with different speed settings to provide the perfect flow rate for your pool.

#### Viron P600 eVo

The flagship AstralPool pump incorporates an inbuilt time clock and 4 timer periods for each day. A different speed can be saved to each timer period allowing the ultimate in flexibility. Special applications such as in floor cleaning or programming water features are enabled using the timeclock and speed selection for different times of day.

The Viron P600 eVo is capable of the most demanding applications with high flow and high pressure all the while delivering the utmost in energy efficiency.

In addition the P600 eVo incorporates electronic power factor correction which provides even further reductions in power consumption, even on maximum speed.



## Connectivity

AstralPool's Viron Connect in house touch screen enables selection of timer periods, different speeds and up to 8 favourite menus for one touch selection of your most commonly used operating modes. Want a spa? Press the spa button and the pump will go to high speed for spa jet operation, the heater will turn on and heat your spa, and lights and air blowers can be automatically set to turn on. Program a favourite "night party" setting and your lighting, water features and pump speed are all automatically selected and turned on.

A more economical connectivity solution is to use the new AstralPool Salt Chlorinator or RolaChem automatic chemical controller to select the hours of operation and various speeds each day.

## Heating Solutions

Gas Heaters require minimum flow rates and water pressures to operate the safety mechanisms and efficiently heat the pool or spa water. Without a total Pool Control Solution, this will often require the manual adjustment of the variable speed pump to enable the gas heater to operate.

AstralPool's Viron eVo Pumps and compliant gas heaters are simply connected with an AstralPool data cable which avoids the need for an external controller or manual adjustment of the pump. This automatically adjusts the pump speed to supply the correct water flow and pressure to operate the gas heater.

## Viron eVo Pump benefits compared to conventional single speed pump

	P600	P320	Fixed 3 speed	Fixed 2 speed
Lowest annual energy cost - kW/h	367 KW/h per annum	374 KW/h per annum	414 KW/h per annum	519 KW/h per annum
Full variable speed memory	✓	✓	X	X
LCD speed display	✓	✓	X	X
Tailor speed to suit any application	✓	✓	X	X
Tailor to pool and cleaner	✓	✓	X	X
Variable priming flow rate	✓	✓	X	X
Selectable priming time from 2 to 120 min	✓	✓	X	X
4 programmable speeds per day	✓	✓	X	X
In built timers with speed selection	✓	✓	X	X
Suitable for infloor cleaning systems	✓	X	X	X
Suitable for large sand filters	✓	X	X	X
Large pools require extra circulation	✓	X	X	X
Power factor correction	✓	X	X	X
Easily serviceable motor	✓	✓	X	✓
Fully serviceable electronics	✓	✓	X	X

## Warranty

The Viron eVo Pumps are covered by a limited 3 year warranty against defects in materials and workmanship.\* Refer to the product manual or go to [www.astralpool.com.au](http://www.astralpool.com.au) for full warranty details.

Available from:



<b>Melbourne:</b>	03 8796 8600	<b>Townsville:</b>	07 4750 3100
<b>Sydney:</b>	02 9853 2100	<b>Adelaide:</b>	08 8152 7600
<b>Brisbane:</b>	07 3308 5400	<b>Perth:</b>	08 9350 2600
<b>Gold Coast:</b>	07 5552 2600	<b>sales@astralpool.com.au</b>	

[www.astralpool.com.au](http://www.astralpool.com.au)