



Rainbow Pool Products

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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 CO₂ Emmissions**
- ✓ **Quiet Operation**
- ✓ **Longer equipment life**



Viron P600 eVo Pump

Viron P300 eVo Pump

Viron P280 eVo Pump

SUPER EFFICIENCY RATING

The more stars the more energy efficient

ENERGY RATING

A joint government and industry program
Under the Australian Standard AS/NZS 1385

Efficiency	Flow Rate	Head	Power	Noise
L/Wh	L/min	m	W	dBA
99.9	1.2	2.45	147	

Energy consumption
367
kWh per year
To pump 50,000 litres/day

When tested in accordance with AS 1385.2.
Actual energy use and running costs will depend on how you use the appliance.

Compare models at www.energyrating.gov.au

The Evolution of Energy Efficiency

AstralPool, Australia's leaders in energy efficient pool pumps release the next evolution in energy efficiency. The Viron eVo is a range of 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 applications such as cleaning the filter or vacuuming the pool, and for these the Viron P280 eVo or P300 eVo are 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 plumbing and other equipment installed such as chlorinators, heaters, cleaners and water features. So, even though we offer three models to choose from, each pump speed can be changed to suit your pool shape, 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 infloor cleaning systems are all easy to cater for with Viron eVo Pumps' flexibility and programmability.

Energy Savings

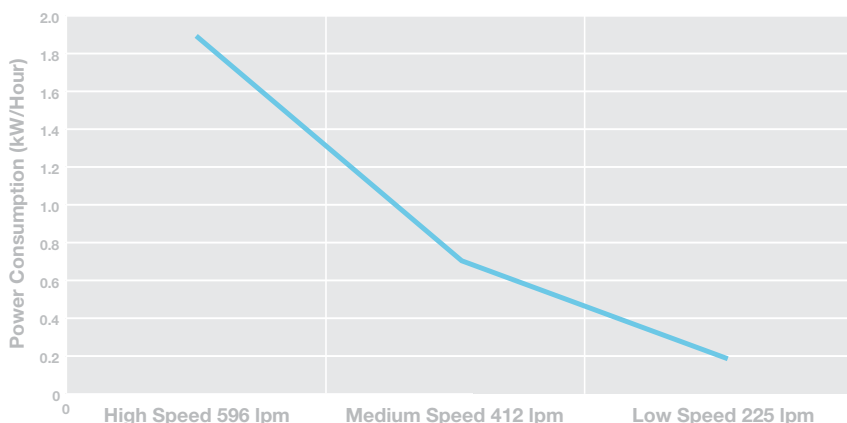
Increasing or decreasing the speed of a pump simply changes the flow rate by the same rate. However, the actual energy used to change the speed and flow varies dramatically. Halve the speed of your pump and the flow rate will also halve but, the energy consumed drops by more than 85%.

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 CO₂ 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).

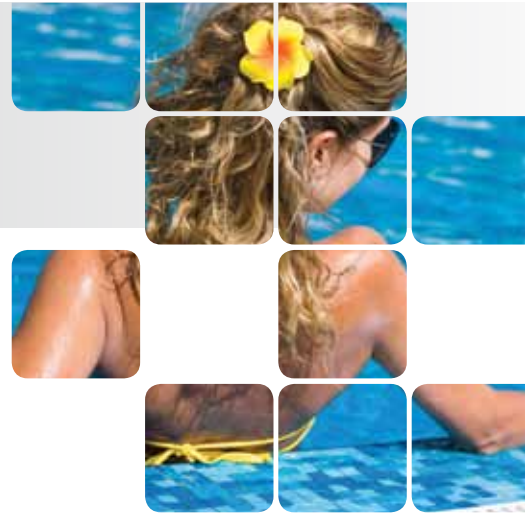
But, manufacturing a pump also contributes to greenhouse emissions. The larger the motor, the more raw materials go into it, and the more greenhouse emissions are used to produce the motor. AstralPool produce the right size motor for your individual application, reducing our carbon footprint in the manufacturing 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 ₂ Emissions <small>(CO₂ at 1.1kg/kW hr)</small>
2.0hp	\$1,165.00	Viron P600 eVo	\$85.00	\$1,080.00	\$7,560.00	5,952
1.5hp	\$890.00	Viron P300 eVo	\$92.00	\$798.00	\$5,586.00	4,346
1.0hp	\$645.00	Viron P280 eVo	\$89.00	\$556.00	\$3,892.00	2,740



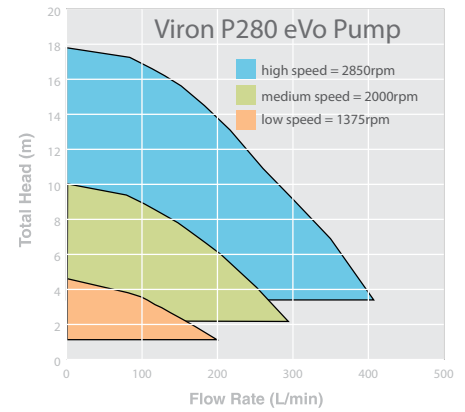
CO2 Emissions
Viron P600 eVo Pump (Annual)



* 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.

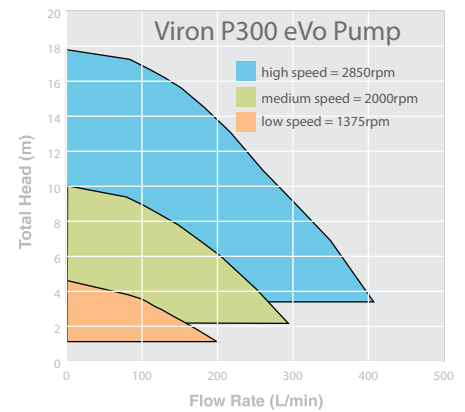
Viron P280 eVo

Is the ideal replacement for an existing 1.0hp or 1.5hp single speed pump. It is simply connected to your existing timeclock or chlorinator and your professional pool shop will adjust the three speeds to ensure you achieve the highest possible energy savings while maintaining crystal clear water. Each speed (high, medium, low) is easily adjustable to suit your individual equipment and pool's needs, whether it be cleaner operation, spa jets or water feature. High speed is generally set to enable cleaning of your sand filter and vacuuming your pool, while low speed is set to circulate your pool water gently – saving the greatest amount of energy.



Viron P300 eVo

Is the ideal pump for a new or existing pool that encounters a leafy or heavy debris load. The huge hair and lint basket reduces the frequency of emptying and the amount of maintenance you need to attend to. Like the Viron P280 eVo, all speeds are adjustable and easily accommodate most pools.

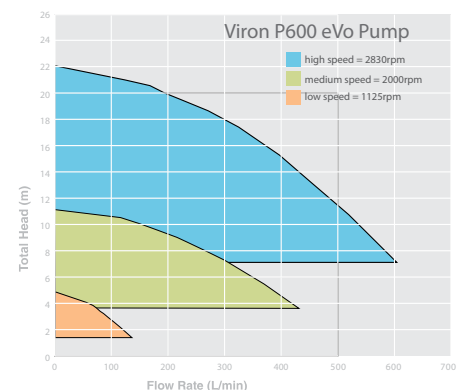


Viron P600 eVo

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

When matched with AstralPool compliant controllers, the Viron P280 and P300 eVo pumps can be programmed for different speeds at different times of the day. AstralPool's Viron Connect in house touch screen enables selection of timer periods, different speeds and a favourite menu 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 party at night setting and your lighting, water features, 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.

Viron eVo Pump benefits compared to conventional single speed pump

Benefits	P280/P300	P600	Single Speed Pump
Very Low Noise	Yes	Yes	No
Reduces Green House Emissions	Yes	Yes	No
Saves up to 90% of annual operating costs	Yes	Yes	No
Pump runs cooler and lasts longer	Yes	Yes	No
Filtration equipment lasts longer	Yes	Yes	No
Improves filter capacity to capture particles	Yes	Yes	No
Connectivity to Chlorinators, heaters and controllers	Yes	Yes	No
Enables different speeds at different times	Yes <small>(when connected to AP Chlorinator or Connect System)</small>	Yes <small>(inbuilt)</small>	No
In built TimeClock	No	Yes	No
Programmable priming period	No	Yes	No
LCD Displays RPM and Timer Periods	No	Yes	No
Power Factor Correction	No	Yes	No
Energy Star Rating	8 Star	8 Star	2 to 3 Star

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 for full warranty details.

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.



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