

Variable Speed Pumps

Feature	Benefit	Results
Energy Saving	Reduces energy requirement to operate a swimming pool.	A single speed pump can be the 2 nd largest energy consuming appliance. VSPs can reduce pool related energy use by 80%.
Multiple programmable speeds and built-in timer.	Precise matching of motor speed and run time to the pools specific needs.	The ability to customize your pumps operation will ensure optimum energy and component efficiency resulting in healthier, clearer water. The pumping functions will be “right sized” to your pool.
Totally enclosed fan-cooled motor design (TEFC)	Motor runs dramatically quieter and has a longer service life than traditional single-speed pumps.	Pump noise is reduced to as low as 45 decibels – less than the sound of a dishwasher. Less concern about dirt and water.
Built-in Diagnostics	Assist in preventing pump cavitations as well as freezing or overheating.	Pump knows to shut off in the event of overheating, and to power on when there is danger of a freeze.
Permanent Magnet Motor	Motor operates more efficiently	30% more efficient (BEFORE ANY CALIBRATION) No need for electromagnetic field to be created for motor operation.
Long Life	The life expectancy of the VSP is 12-15 Years	Because of the lower speeds, enclosed fan and quality construction, VSP provides monthly energy savings for its lifetime (as long as 12-15 years).
Quiet Operation	Better pool experience	Under normal operation the motor decibel level is about equal to a dishwasher.
Produces less wear on pool plumbing and fixtures	Extends the life of pool equipment	Running at slower speeds will extend the life of pool equipment such as heaters and filters, saving you money on costly repairs.
Enhances water quality	Improved water chemistry	Longer and slower circulation cycles improve water quality.