

IntelliFlo[®]

High Performance Pump
By Pentair Pool Products[®]



The intelligent pool pump that changes all the rules





IntelliFlo is without question the new standard in pool pumps. Onboard intelligence, breakthrough motor technology, and superior design combine to:

- Reduce energy consumption by 90% and save hundreds per year;
- Reduce operating noise by 90%;
- Deliver the longest service life of any pump in its class.

IntelliFlo monitors and controls its operation and senses and adjusts to changing demands and pool conditions. The result is a number of breakthroughs in pool pump performance and operating efficiency.

Displays inform you of run time, mode and current status

IntelliFlo tells you when and how to backwash your filter

Manual mode lets you override programming and run the pump using RPM or flow settings of your choosing

Programming is push-button easy—simple menus lead the way



IntelliFlo features a 1-year warranty. See warranty for details.



From 28¢ to 3¢ per hour

IntelliFlo is the first pool pump ever to deliver the exact amount of water needed to perform different tasks: filtration, vacuuming, backwashing and rinsing, operation of spas and water features. It delivers the exact power needed to get the job done by varying its motor's speed.

Plus, IntelliFlo is the first to use a PMSM (permanent magnet synchronous motor), which is 45% to 75% more efficient than conventional induction motor technology. In fact, IntelliFlo typically operates with about 100 watts of power...the amount needed to power a light bulb. For comparative purposes, in most parts of the country, the difference is a cost of just 3¢ per hour versus 28¢ for older pump designs. A 90% reduction!



Operating at half a whisper

To say IntelliFlo is quieter than any other pump is a massive understatement. Consider this. Humans hear noises measured at about 3 decibels. A whisper is about 20 decibels. A library about 50 decibels. A typical pool pump about 70–80 decibels. What about IntelliFlo? Only 7–10 decibels...or half the sound of a whisper. In other words, you can barely hear it operate, even when sitting right next to it.

A breakthrough in longevity

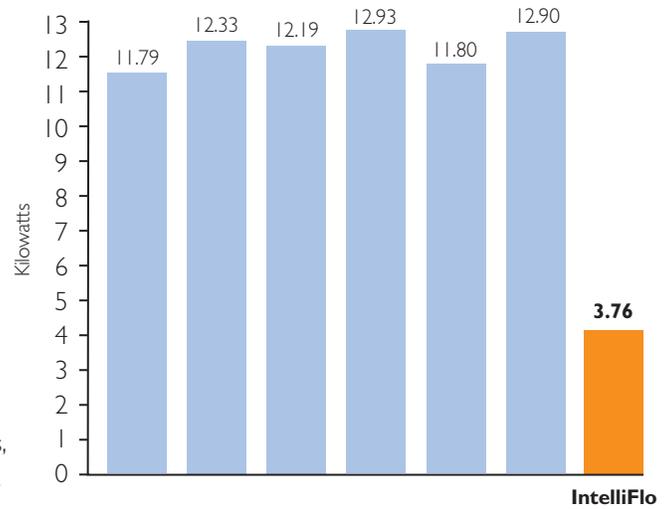
With mechanical equipment, the less it works the longer it lasts. And thanks to its onboard controls and high-tech variable speed motor, IntelliFlo never works harder or longer than it has to. This drives super energy efficiency and super long life. IntelliFlo also features a totally enclosed design that protects its inner workings better than traditional designs. Plus, thanks to onboard intelligence this pump protects itself in several other ways.

- Senses loss of prime condition—the number one reason for pump failure—and shuts itself down if prime not detected within 30 seconds.
- Senses overheating and freezing conditions and automatically takes corrective action to prevent damage—a major problem in states with extreme climates.
- Senses and adjusts to common voltage irregularities...taking out the surges that overwork your motor and rob you of energy efficiency—a common problem in several southern states.
- Senses any blockages and automatically shuts down to prevent damage from foreign objects.

No matter how you look at it, IntelliFlo is a tremendous technology leap for the pool industry. In fact, with energy prices constantly on the rise, many pool owners are replacing existing pumps with IntelliFlo. They want to start realizing the energy savings, silent running, and service life advantages this remarkable advancement offers today. Ask your pool professional about IntelliFlo, the pool pump that changes all the rules...in your favor!

Comparing Electric Usage

(Single filtration cycle, 20,100 gals)



Data shows results of comparative energy use tests between IntelliFlo and six common pool pumps. IntelliFlo consumed between 68% to 71% less energy in every case. In actual use conditions, savings may be significantly larger.



For even greater control and convenience...

IntelliFlo is capable of linking and communicating with IntelliTouch® pool control systems for even greater automation possibilities. IntelliTouch provides expanded control capabilities while also achieving levels of energy and cost-efficiency never available before.

Tech talk for engineers and the incurably curious

IntelliFlo combines the best of the best in latest technology. It features a totally enclosed fan-cooled (TEFC) motor with permanent magnet synchronous (PMSM) design. This motor generates a 99% power factor compared to just 70% for traditional designs. And that translates directly into dramatically greater operating efficiency. Combined with an integral programmable logic controller (PLC) to regulate work requirements per task, IntelliFlo is typically operating at an average of just 1/10th of a horsepower, using about 100 watts...the amount used by a light bulb. And that, of course, translates into dramatically reduced energy usage and incredibly long life.



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