



# IntelliFlo<sup>®</sup> Variable Speed Pump

*The most energy-efficient pump ever*



The pump that launched an energy savings revolution... and will reduce your pool energy costs by up to 90%.

# Why more pool owners save with IntelliFlo® pumps

## Want to know why IntelliFlo® pumps outsell all other variable speed pool pumps combined?

When Pentair Water Pool and Spa® first introduced IntelliFlo variable speed technology, it set off a marketplace revolution with its energy efficiency, near-silent operation and long service life.

Now comes the latest member of the IntelliFlo family, the new IntelliFlo Variable Speed Pump. It further refines the field-proven advancements that have led IntelliFlo pumps to outsell all other variable speed brands combined. Check out these advantages and you'll quickly see why:

- Estimated cost savings of **up to \$1,500** each year<sup>1</sup>.
- Energy savings up to **90%** versus traditional pumps.
- Dramatically quieter operation—as low as **45 decibels**.†
- 8 programmable speed settings and built-in timer assure optimum speed and run times for **maximum efficiency and savings**.



# 90%

<sup>1</sup>Savings based on variable speed pump compared to a single-speed pump running 12 hours per day at an average of \$0.16 per kWh in a 20,000 gallon pool. Actual savings may vary based on local utility rates, pump horsepower, pump rpm, plumbing size and length, pump model, service factor and other hydraulic factors.

†Compared to noise level of typical 1.5 hp single-speed pump.

# First then, first now.



IntelliFlo brought variable speed technology to market—a full 5 years ahead of every other manufacturer. But the leader never stands still. So we've taken full advantage of our head start to perfect these IntelliFlo firsts:



- Ultra-efficient permanent magnet motors, as used in advanced hybrid cars.
- Precise matching of motor speed to your pool's needs.
- Totally enclosed fan-cooled (TEFC) motor design for long life and quiet operation.
- Built-in diagnostics protect the pump for longer service life.

And today, IntelliFlo pumps still lead the way with all these advantages:

- Permanent magnet motor design for greater efficiency.
- More total energy savings than any other pool pump family in history.
- Integrated keypad—no need to purchase separately at additional cost.
- Over 5 years of proven in-field reliability.
- Exclusive software and digital controls make programming a cinch.
- Easy installation for inground pools and pool/spa combos of all types and sizes, new or aftermarket.
- Full compatibility with IntelliTouch®, EasyTouch®, SunTouch® or other brands of digital pool/spa controls for managing pump, heating, lighting, spa jets, water features and more... from practically anywhere, anytime<sup>2</sup>.



Get the newest IntelliFlo Variable Speed Pump...and put the game-changing, money-saving innovation of IntelliFlo to work for you.

<sup>2</sup>To integrate IntelliFlo with other manufacturers' controllers, an IntelliComm® or IntelliComm® II control must be purchased separately and installed properly. See owner's manual for details. IntelliFlo functions can be controlled remotely through your PC or Mac™, iPad®, iPod touch® or iPhone® with the addition of a ScreenLogic® PC or Mac interface kit and free ScreenLogi® software. Mac™ iPad®, iPhone® and iPod touch® are trademarks and/or registered trademarks of Apple Inc.



# How much *energy* can one IntelliFlo pump save?



Typical single-speed pumps can consume as much energy as all your other home appliances combined. Why not replace that energy hog with an IntelliFlo Variable Speed Pump? It uses up to 90% less energy than the typical single-speed pump—savings that translate directly into money in your pocket.

Device	Refrigerator	Clothes Washer	Dishwasher	Single-Speed Pump	IntelliFlo
Annual Energy Used <sup>3</sup> (kWh per year)	500 kWh	211 kWh	309 kWh	3,285 kWh	1,150 kWh
	Total Combined Energy Used kWh/year 1,020 kWh				Total Energy Saved vs. Single-Speed Pump 2,135 kWh/year

<sup>3</sup>Source: US Federal Trade Commission - [www.ftc.gov/energy](http://www.ftc.gov/energy)

## Hybrid technology makes your money go up to 90% farther.

Most pool pumps, even so-called “energy-efficient” models, still use the traditional technology of an induction-style motor. IntelliFlo uses an advanced permanent magnet motor—the same technology found in today’s hybrid cars. Result: savings of up to **90%**, even compared to “high efficiency” single-speed and two-speed pumps.





# Poolside peace and quiet.

IntelliFlo pumps introduced a new level of quiet to the pump world. With their permanent magnet motors, totally enclosed fan-cooled (TEFC) design, and low average operating speed, they're so whisper-quiet that you may not even know they're operating.

But the quantity of sound is only one measure of quietness. Sound quality is important, too. That's why we engineered IntelliFlo's permanent magnet motor to virtually eliminate the unpleasant high-pitched noise found in other so-called "quiet" variable speed pumps—so you enjoy a more relaxing, satisfying pool and spa experience.

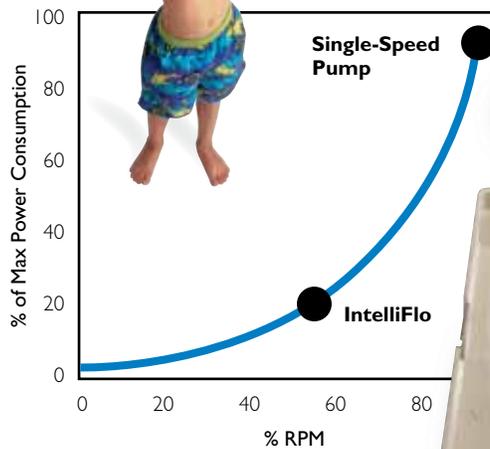
## How quiet is the IntelliFlo pump?

Decibels (dB)

	Lawnmower	90 dB
	Alarm clock	80 dB
	Vacuum cleaner	70 dB
	Single-speed pump*	67 dB
	Car traffic*	67 dB
	Dishwasher	60 dB
	Moderate rainfall	50 dB
	IntelliFlo pump	45 dB
	Library	30 dB

\*1.5 HP pool pump. Pumps at distance of 3.28 feet. U.S. car traffic at 50 feet. Sources: American Speech-Language-Hearing Association, OSHA.

# Slow and steady wins.



With its ability to adjust speed, IntelliFlo takes full advantage of the scientifically proven Affinity Law:

*Cut the pump speed by half, and you cut energy consumption by 87%. The graph above shows just how dramatic your energy savings can be.*



Traditional pumps operate at set, unchangeable speeds. Those speeds are almost always higher than required. As a result, they overpower the jobs they're assigned to do, which wastes energy.

IntelliFlo allows custom programming of optimum pump speeds for specific tasks such as filtering, heating, cleaning, spa jets and waterfalls. For virtually all applications, the optimum speed is lower than the preset, unchangeable speeds of older pumps.

When water moves more slowly for longer periods, it helps reduce the occurrence of algae that forms more easily when water is pumped briskly and then allowed to rest for long intervals. Your filter works more effectively because it has more time to sift out particles from the water, and because particles aren't forced through the filter media under needlessly high pressure. Automatic chemical dispensers and chlorinators also work better when water is kept moving.



# Just how much can you save?

Since the cost to operate your pump isn't itemized on your electric bill, you're probably wondering just how much an IntelliFlo pump could save. Here are realistic estimates when comparing a traditional energy-efficient single-speed pump to IntelliFlo in a 20,000 gallon pool. Savings are calculated using 12 hours of operation, which represent common run times.

Energy cost per kilowatt hour (kWh)	Estimated IntelliFlo savings per year <sup>1</sup>	Estimated IntelliFlo savings after 5 years <sup>1</sup>
\$0.16	up to \$1,500	up to \$7,500
\$0.20	up to \$1,800	up to \$9,000
\$0.30	up to \$2,700	up to \$13,500



## As your poolscape changes, so will IntelliFlo.

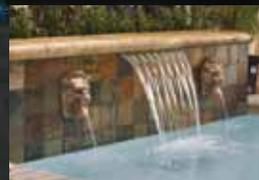
With IntelliFlo you can add equipment and features, or change them, without reducing pump performance and efficiency. Add a solar system or water feature, or change your filter. Just push a button to set the new optimum speed for the lowest energy use. You keep saving, even as your pool system changes.



Dancing Waters



Pool Cleaner



Waterfall



Spa

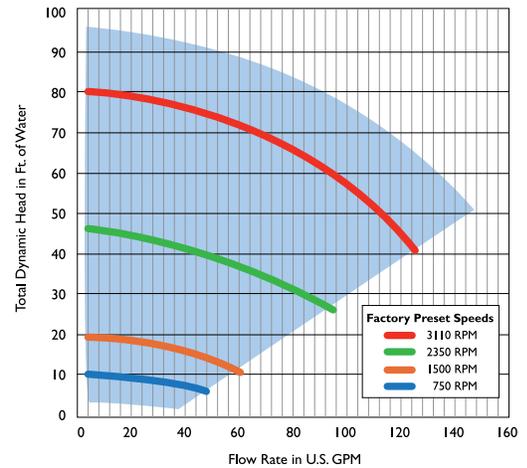
# IntelliFlo® Variable Speed Pump

## Proven dependability that's in a class by itself.

IntelliFlo® pumps have amassed a record of field-proven reliability that's unmatched by any other variable speed pump. **Here's how:**

- Permanent magnet motor runs cooler; produces less vibration than induction motors.
- Totally enclosed fan-cooled (TEFC) design protects against the elements.
- Built-in diagnostics protect the pump for longer service life.

So when you invest in the superior engineering of an IntelliFlo pump, you'll reap the dividends for years to come. Visit your Pentair Water Pool and Spa® professional now...and let the enjoyment begin.



NOTE: The chart above demonstrates performance rates at factory preset speeds of 750 RPM, 1500 RPM, 2350 RPM and 3110 RPM. However, flow rates can also be custom programmed between the ranges of 400 RPM and 3450 RPM as indicated by the blue tint.

## How does your pump measure up to IntelliFlo?

### IntelliFlo vs. single-speed pumps

Benefit	IntelliFlo Variable Speed Pump	Single-Speed Pumps
<b>Up to \$1,500</b> estimated cost savings each year <sup>1</sup>	YES	NO
Energy savings up to 90%	YES	NO
Longer pump life	YES	NO
Permanent magnet motor; as in hybrid cars, reduces noise and vibration	YES	NO
Improves filter and chlorinator performance	YES	NO
Helps reduce algae build-up	YES	NO
Lets you add pool features without reducing pump efficiency	YES	NO
Totally enclosed fan-cooled (TEFC) design protects working parts	YES	NO
Built-in diagnostics protect the pump for longer service life	YES	NO
Integrated keypad—no need to purchase separately at additional cost	YES	NO
8 programmable speed settings and built-in timer assure optimum speed and run times for maximum efficiency and savings	YES	NO

### IntelliFlo vs. other variable speed pumps

Benefit	IntelliFlo Variable Speed Pump	Other Variable Speed Pumps
World's first-ever variable speed pump	YES	NO
More total energy savings than any other pump family in history	YES	NO
Over 5 years of proven in-field reliability	YES	NO
Outsells all other variable speed pumps combined	YES	NO

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