

Pool Pump Comparison

SINGLE-SPEED

VARIABLE SPEED

Fun Fact



Pentair's Variable Speed Pump was the industry's first programmable pool pump.

Did You Know?



The swimming pool pump is the 2nd largest user of electricity in a home, second only to the HVAC system.

Single-Speed Pumps

Variable Speed Pumps

SPEED

FIXED

VARIABLE

CUSTOM PROGRAMMING

NO

YES

Programmable to your unique pool features and accessories

DIGITAL KEYPAD

NO

YES

ENERGY CONSUMPTION

HIGH

Maximum, unchangeable speed results in higher costs

LOW

Reducing motor speed in half cuts power consumption by over 87%

DECIBELS

67

As loud as a vacuum

45

As quiet as the library

TWO-SPEED PUMPS

Two-speed pumps are far less common on the market, however, here's what you should know:

- Operates at two speeds: 1750 RPM and 3,450 RPM
- Speeds are fixed
- Its preset half-speed is not the most efficient for any given operation

RESOURCES

Download the Pool IQ app today!

- Pool IQ app, found in the Apple® App Store®, features Pool Savings and Volume Calculators. Pool IQ also helps you have engaging conversations with your customers and puts product information and videos at your fingertips.

Savings Calculator

Show customers how much they can save when upgrading to a variable speed pump.

Visit Pentair.com --> Pool & Spa Solutions -->

Calculators --> Pool Pump Energy Savings

Calculator

PENTAIR

Pentair Pump Offerings

VARIABLE SPEED & FLOW (VSF)

VARIABLE SPEED (VS)

Fun Fact



VSF pumps are the only ones in the industry that offer speed *and* flow control in a single pump.

Benefits of VSF Pumps

1

Flow capability. Allows professionals to program the pump in gallons per minute (GPM). This means there is no guesswork when setting up and programming a Pentair or Sta-Rite Variable Speed and Flow Pump.

2

Built-in intelligence. As the filter fills with debris, the pump detects the need to speed up in order to maintain its preset GPM to maintain its performance.

**Pentair IntelliFlo VSF &
Sta-Rite IntelliPro VSF
Variable Speed & Flow Pumps**

**SuperFlo VST &
SuperMax VS
Variable Speed Pumps**

ADVANTAGES

Flow Controlled pumps:

- Are the ONLY pumps that can be programmed in GPM, making them easy to program the manufacturers' recommended GPM to assure optimum performance across ALL equipment
- As the filter loads with debris, the pump compensates by speeding up to maintain its preset GPM and sustain its performance
- Up to 90%* in energy savings - displays energy usage on the digital keypad
- Facilitates enhanced pool water filtration

- Designed for pools requiring approximately 1.5HP pumps
- Up to 80%* in energy savings—displays watt usage on digital keypad
- Features 3 programmable speeds plus an override—easy to use and program
- Drop-in replacement for Pentair SuperFlo and Hayward® Super Pump®**
 - **Hayward® and Super Pump® are registered trademarks of Hayward Industries, Inc.
- Self-adapts to 115/230 volts—no rewiring required

BENEFITS

- Up to 80%-90% in energy savings* - displays energy usage on digital screen
- Improved overall water quality - running longer and slower improves circulation and filtration
- Quiet operation
- Easily accommodates new equipment add-ons without having to purchase an additional pump

*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, pool size, pump run time, pump horsepower, pump rpm, plumbing size and length, pump model, service factor and other hydraulic factors. Individual WEF scores vary by product model. See Pentair.com for a complete listing of pumps and their corresponding WEF values.

WHAT CUSTOMERS SAY

"This pump is the bee's knees! It is sooooo much quieter than our single speed. The energy efficiency is unmatched. I couldn't be happier. It's well worth the cost." - Adam M.

"I did a lot a research on pumps before

replacing and I must say that every single

search lead me to this pump." - REDZ