

## THE BENEFITS OF VARIABLE SPEED PUMPS

In 2021, a ruling by the Department of Energy went into effect requiring pool pumps between 1.15 and 5.0 HP to be variable speed. Now, with a deadline of September 2025, this ruling will also require replacement motors to be variable speed for pumps between 1.15 and 5.0 HP.

While the cost of a variable speed pump is more than a single speed, the benefits add up. Explore the advantages of having a variable speed pump below so you can have peace of mind about your pool equipment.



### ENERGY AND COST SAVINGS

Variable speed pumps are highly efficient, leading to energy savings compared to single speed pumps. In fact, the IntelliFlo3® VSF Pool Pump provides up to **90% in energy savings**.\* Although the initial cost may be higher, the payback of having a high-quality, DOE-compliant pump will be worthwhile.

### IMPROVED WATER QUALITY

Variable speed pumps can operate at lower speeds and allow for longer filtration cycles. This function results in more favorable water quality as the water is filtered more thoroughly and consistently, providing more confidence about the conditions of your pool.

### LESS PRESSURE ON POOL EQUIPMENT

Variable speed pumps adjust to pool conditions, usually resulting in lower flow rates, meaning water flows less forcefully through the pool equipment. These lower flow rates typically equate to less pressure on pool equipment, allowing backyard memories to keep flowing.

### QUIETER OPERATION

Variable speed pumps operate more quietly than their single speed counterparts, making them a more ideal choice for backyard fun.

### MORE CONTROL OVER FLOWING WATER FEATURES

Unlike single speed pumps, variable speed pumps offer greater control over water features like laminars and fountains. The flow can be adjusted to create different effects, such as a gentle trickling waterfall or a strong steady waterfall.

### REMOTE CONTROL AND CONVENIENCE

Variable speed pumps come with remote control capabilities, allowing homeowners to manage their pool settings from a mobile device. This convenience adds to the overall user experience, making pool maintenance easier and more efficient.

### REBATES AND COMPLIANCE

Rebates on variable speed pumps may be available from local utility companies, further improving the overall payback. Additionally, these pumps comply with this DOE regulation, ensuring that they meet the latest energy efficiency standards. Providing proof of DOE compliance can help alleviate concerns about regulatory requirements.

### Consider the award-winning IntelliFlo3 VSF Pool Pump.

As a DOE-compliant pump, the IntelliFlo3 VSF Pool Pump is the only pump that provides Wi-Fi enabled automation without any separate hardware needed. With the ability to connect two additional pieces of pool equipment, this variable speed pump can make simple pools even smarter and unlock control via the Pentair Pool app for more efficient pool management.

LEARN MORE ABOUT THE POWER AND VERSATILITY OF THE INTELLIFLO3 PUMP AT [WWW.PENTAIR.COM/INTELLIFLO3](http://WWW.PENTAIR.COM/INTELLIFLO3)

\*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.

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