



NAUTIS VSF

Variable Speed+Flow

The first and only adaptive flow pump that utilizes Eco-Flow® technology.



The First and Only Adaptive Flow Pump.

We're taking the guess work out of energy saving. The Nautis™ VSF Pump from H2flow Controls is the first and only pump capable of adapting the speed of the motor based on an accurate flow measurement. Setting the motor speed based on the flow rate allows you to achieve the maximum possible energy savings!



NAUTIS VSF

An Adaptive Flow, Self-Priming Pump

The Nautis™ VSF optimizes every aspect of pool pump ownership. While Nautis™ VSF is the only available pump to feature adaptive flow control using Eco-Flow® technology, it's also a convenient drop-in replacement for both Hayward® Super Pump® and Pentair® SuperFlo® and WhisperFlo®.



Nautis VSF (2.7THP)
(WEF: 7.8, HHP, 140S)

Features

- The only pump featuring Eco-Flow® technology, allowing for constant flow functionality.
- Easily serviceable 4-bolt design & handle.
- Lid lock ring that incorporates handles, providing the user with a convenient way to easily remove the lid.
- Suction and Discharge come equipped with quick disconnect unions as well as internal threads for easy installation and maintenance.
- Every pump is wet tested before leaving the factory.
- All models are equipped with an LED light in the basket lid, for ease of maintenance.
- Discrete switch inputs, for easy connection to automation.
- Ability to run dry for up to an hour.
- Available riser for direct replacement of WhisperFlo® and IntelliFlow® models.

NAUTIS+FLOWVIS

The New Revolution in Variable Speed



When you combine the power of a Nautis™ variable speed pump with the accuracy of FlowVis® – the industry's most accurate and reliable flow meter – the result is something truly revolutionary.

Traditional variable speed pumps are often times programmed using a preset – or default – speed setting. This is problematic because no two plumbing configurations are the same, and pools can vary greatly in size. The result is lost energy savings, unnecessary equipment wear, dirty pools, and inefficient chemical circulation.

Nautis™ VSF changes all of this. Knowing the flow rate allows the user to set the speed based on accurate flow data and on meeting turnover requirements, not on guess work. What's more, Nautis™ VSF will identify changes in conditions – such as a dirty filter – and adapt the motor speed accordingly, to maintain constant flow.



Key Benefits



Maximized Energy Saving Potential

Optimizing pump speed and heater usage based on the flow rate typically results in significant energy savings.



Reduced Equipment Wear

Running the motor at the required speed – and not unnecessarily exceeding it – will result in prolonged equipment life.



Optimal Chemical Usage

If the speed is set too high, unnecessary chemical usage occurs. With Nautis™ VSF, the speed is optimized, meaning chemical usage is, too.



Adapts to Conditions

In an effort to maintain constant flow, Nautis™ VSF will sense – and adapt to – dirty filters and other conditions that reduce the flow rate.



NAUTIS VSF

PATENT PENDING
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The Nautis VSF: American Innovation, Engineered for Performance

At H2flow, quality, sustainability, and responsible stewardship guide every product we design—including the Nautis VSF variable speed pool pump. Proudly manufactured in the United States and now patent-pending, the Nautis VSF embodies our commitment to advancing energy-efficient, reliable solutions for today's pool and spa environments.

As our industry continues to evolve, we remain dedicated to strengthening North American manufacturing and protecting the innovations that set our products apart. The Nautis VSF is a reflection of that promise—engineered with precision, built to last, and designed to deliver smarter, more efficient performance.

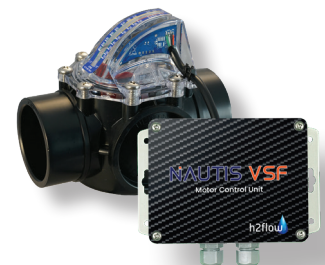
Now more than ever, choosing American-made technology matters.



Nautis MCU; For Existing VS Pool Pumps

Combined with the precision of FlowVis® flow measurement, the Nautis™ MCU can enable select variable speed pumps to operate in constant flow mode to maintain a consistent turnover rate.

This allows for steady, predictable water flow for optimal circulation and water quality. Real-time flow data enables proactive monitoring and adjustments, addressing issues like clogged filters to prevent delays, enhance energy efficiency, and reduce maintenance. This ensures the pool's entire water volume is filtered effectively, achieving a precise turnover rate customized to the pool's specific requirements.



Get connected, with
BlueSync™

Nautis™ VSF is one of many H2flow products that features seamless connectivity to H2flow's BlueSync™ mobile app. BlueSync™ allows the user to remotely take control of their Nautis™ VSF pump and access operational data.

Other H2flow products that are connected with BlueSync™ include:

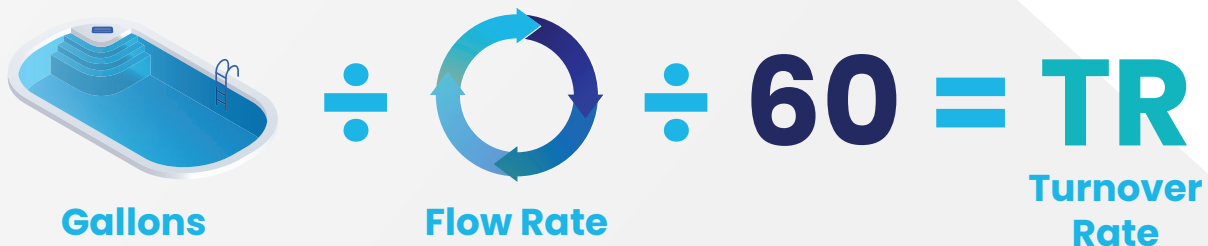
- Nautis MCU
- FlowVis Signal Converter
- AlgaeID™ Early Algae Warning System
- FillStop Automated Filling Tool



Understanding Turnover Rates

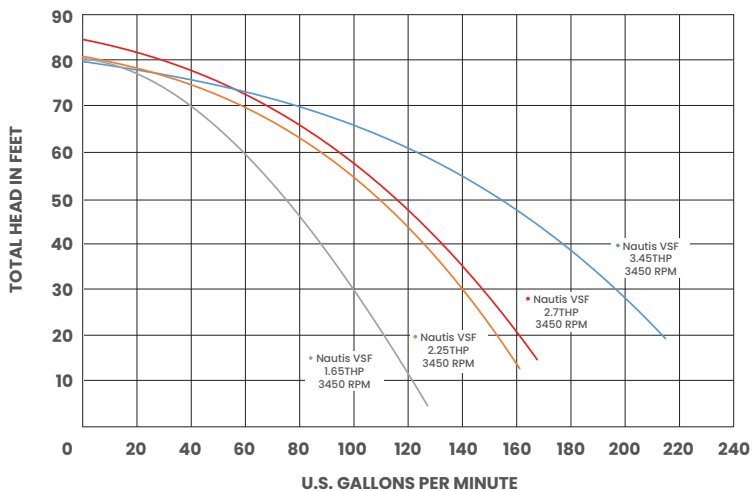
In the context of swimming pools, the turnover rate refers to the time it takes for the entire volume of water in a pool to be circulated through the filtration system. It is a critical factor in maintaining water quality, as it ensures that the pool water is filtered, sanitized, and cleaned to remove contaminants, debris, and bacteria. Residential pools often aim for a turnover rate of 8–12 hours.

Combined with the precision of FlowVis® flow measurement, Nautis™ VSF can operate in constant flow mode to maintain a consistent turnover rate, delivering steady, predictable water flow for optimal circulation and water quality. Real-time flow data enables proactive monitoring and adjustments, addressing issues like clogged filters to prevent delays, enhance energy efficiency, and reduce maintenance. This ensures the pool's entire water volume is filtered effectively, achieving a precise turnover rate customized to the pool's specific requirements.



technical information

Performance Curves



Trademarks and Certifications



Select models are ENERGY STAR certified

Part Numbers

Variable Speed (TEFC Motor) - Energy Star

Model #	THP	WEF	HHP	Volts	Amps	Port Size	Weight* (lbs.)
NAU-V165	1.65	8.8	0.940	115/230	13.6/6.8	2.0"	44
NAU-V225	2.25	7.6	1.354	230	9.5	2.0"	45
NAU-V270	2.7	7.8	1.405	230	11.1	2.0"	48
NAU-V345	3.45	6.8	1.558	230	14.0	2.0"	50

NOTE: The Nautis™ VSF (2.25 THP) and Nautis VSF (3.45 THP) Models are not listed on Energy Star.
*Estimated Shipping Weights



Progress through Innovation™

Our innovative solutions are developed with a focus on controlling, monitoring and measuring flow. Contact your authorized H2flow Controls solutions provider to find out how our products can help you and your customers.

Find an authorized partner at www.h2flow.net/locate-a-partner



888.635.0296



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www.h2flow.net

AC DRIVES | ANTI ENTRAPMENT DEVICES | AUTOFILL SYSTEMS | FLOW METERS | PUMPS | SENSORS

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