Pentair 011056

Pentair IntelliFlo VSF Variable Speed and Flow Pump

Model: 011056

1. Product Overview

The Pentair IntelliFlo VSF Variable Speed and Flow Pump is an advanced pool pump designed for superior energy efficiency and precise flow control. It automatically adjusts to changing pool conditions, maintaining a preprogrammed flow rate throughout the filtration cycle. This intelligent operation ensures optimal performance and significant energy savings compared to traditional single or two-speed pumps.



Figure 1.1: Front-side view of the Pentair IntelliFlo VSF Variable Speed and Flow Pump. This image shows the pump's main body, motor housing, and the clear lid of the strainer basket, along with the Pentair and Energy Star logos.

2. Safety Information

Always read and follow all instructions in this manual and on the equipment. Failure to follow instructions can cause injury. This product must be installed and serviced by a qualified pool professional in accordance with all applicable local codes and ordinances. Improper installation or operation can create hazardous electrical conditions.

- Disconnect power before servicing.
- Do not operate the pump if it is damaged.
- Ensure proper grounding and bonding.
- Keep children away from the pump and pool area.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

3. Setup and Installation

Proper installation is crucial for the pump's performance and longevity. Ensure the pump is installed on a level, solid foundation, protected from excessive moisture and direct sunlight. The pump should be located as close to the pool as possible to minimize friction loss in the plumbing.

3.1 Plumbing Connections

Connect the pump to the existing pool plumbing using appropriate fittings. Ensure all connections are watertight to prevent leaks and maintain prime. Use PVC cement for rigid PVC pipes and thread sealant for threaded connections.



Figure 3.1: Side view of the Pentair IntelliFlo VSF Pump, illustrating the plumbing connection points (inlet and outlet) and the motor housing. This view highlights the compact design and the location of the electrical conduit connection.

3.2 Electrical Wiring

The IntelliFlo VSF pump operates on 230V. All electrical wiring must be performed by a licensed electrician and comply with local and national electrical codes. Ensure the circuit breaker is off before making any electrical connections. The pump must be properly grounded and bonded.

4. Operating Instructions

The IntelliFlo VSF pump features an intuitive control panel for easy operation and programming. The pump is designed to maintain a constant flow rate, adapting its speed as needed.

4.1 Priming the Pump

Before initial startup or after cleaning the strainer basket, the pump must be primed. Ensure the pump is filled with water by opening the air relief valve on the filter and allowing water to fill the pump and suction line. Once water flows steadily, close the air relief valve. Turn on the pump and allow it to run until a steady flow of water is observed.



Figure 4.1: Top view of the Pentair IntelliFlo VSF Pump's strainer basket lid. The lid is clear, allowing visual inspection of the basket. Markings for "OPEN" and "CLOSE" are visible, indicating the direction to turn the lid for access.

4.2 Programming Flow Rates

The pump can be programmed for specific flow rates (GPM - Gallons Per Minute) or speed settings. Refer to the pump's digital display and control buttons for navigation. Common settings include filtration, spa jets, and cleaning cycles. The pump will automatically adjust its RPM to achieve the desired flow rate.

5. Maintenance

Regular maintenance ensures optimal performance and extends the life of your pump.

5.1 Strainer Basket Cleaning

The pump's strainer basket should be inspected and cleaned regularly, especially if flow appears reduced. Turn off the pump before opening the basket lid. Remove debris, rinse the basket, and replace it, ensuring the lid is securely tightened to prevent air leaks.

5.2 Winterization

In areas subject to freezing temperatures, the pump must be properly winterized to prevent damage. Drain all water from the pump and plumbing lines. Store the pump in a dry, protected area if possible, or cover it to protect from elements.

6. Troubleshooting

This section provides solutions to common issues you may encounter with your IntelliFlo VSF pump.

Problem	Possible Cause	Solution
Pump not priming	Low water level, air leak, clogged basket	Check water level, inspect for leaks, clean strainer basket.
Reduced flow	Clogged basket, dirty filter, closed valve	Clean basket, backwash/clean filter, open all valves.
Pump making unusual noise	Air in system, worn bearings, cavitation	Check for air leaks, ensure proper water flow, contact service if noise persists.
Pump not turning on	No power, tripped breaker, motor issue	Check power supply, reset breaker, consult a professional.

7. Specifications

Model: 011056

Horsepower: 3 HP

Voltage: 230V

Type: Variable Speed and Flow Pump

Product Dimensions: 27.75 x 12.5 x 15 inches

Item Weight: 47.2 pounds

Energy Efficiency: Up to 90% energy savings compared to conventional pumps.

8. Warranty and Support

Pentair provides a premium warranty for the IntelliFlo VSF pump. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Pentair website. For technical support, parts, or service, please contact Pentair Customer Service or an authorized Pentair dealer.

Pentair Customer Support: Refer to your product documentation for the most current contact information or visit www.pentair.com.

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