Pentair 011018

Pentair IntelliFlo Variable Speed High Performance Pool Pump User Manual

Model: 011018

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Pentair IntelliFlo Variable Speed High Performance Pool Pump. Please read this manual thoroughly before attempting to install or operate the pump. Proper installation and adherence to these guidelines will ensure optimal performance, energy efficiency, and longevity of your equipment.

The IntelliFlo pump is designed to provide superior energy savings and quiet operation by allowing custom programming of optimum pump speeds for various pool tasks such as filtering, heating, cleaning, and operating water features.

2. Safety Information

WARNING: Failure to follow all instructions could result in serious injury or death. This product must be installed and serviced by a qualified pool professional in accordance with all applicable local and national codes and ordinances.

- Always disconnect power to the pump before performing any service or maintenance.
- Ensure proper grounding and bonding of the pump to prevent electrical shock hazards.
- Do not operate the pump if it is damaged or has exposed electrical wiring.
- Keep children away from the pump and all pool equipment.
- This product can expose you to chemicals including Styrene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

3. Product Overview

The Pentair IntelliFlo Variable Speed High Performance Pool Pump (Model 011018) is engineered for maximum energy efficiency and quiet operation. Unlike traditional single-speed pumps, the IntelliFlo allows for precise control over pump speed, enabling significant energy savings and improved filtration.



Figure 3.1: Pentair IntelliFlo Variable Speed High Performance Pool Pump. This image shows the complete pump unit, including the motor, wet end, and control panel, in a beige color.

Key features include:

- Energy savings up to 90% compared to traditional pumps.
- Dramatically quieter operation.
- 8 programmable speed settings and a built-in timer for optimized efficiency.
- Integrated diagnostics for pump protection and extended service life.
- Full compatibility with IntelliTouch, EasyTouch, SunTouch Pool Control Systems, and other digital pool/spa controls.

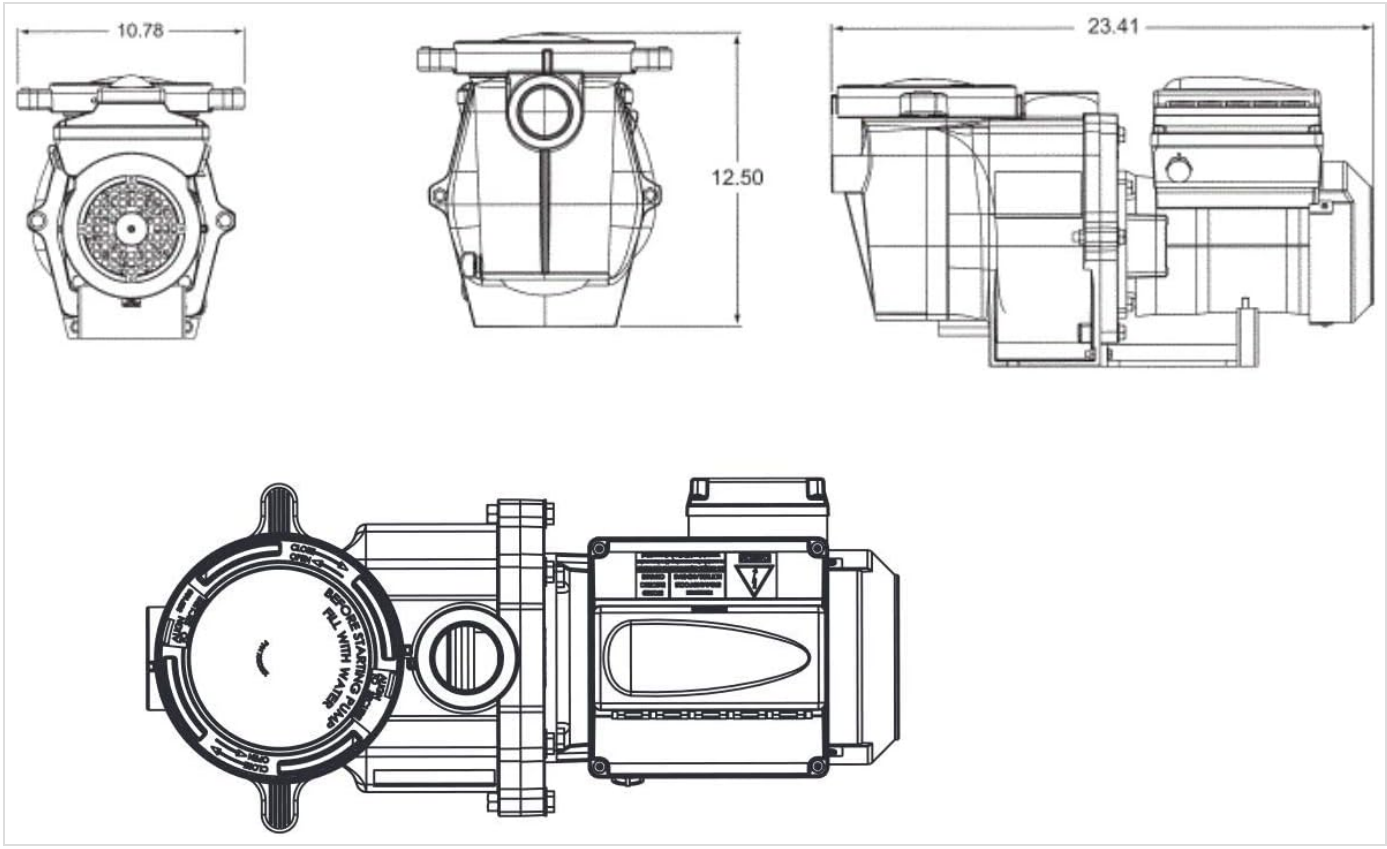


Figure 3.2: Dimensional drawing of the Pentair IntelliFlo Pool Pump. This diagram provides top, front, and side views with key measurements in inches, indicating the pump's physical footprint and connection points.

4. Setup and Installation

Proper installation is crucial for the pump's performance and safety. It is highly recommended that installation be performed by a qualified electrician or pool professional.

4.1. Location and Mounting

Install the pump as close to the pool as possible to minimize friction loss from plumbing. Ensure the location is well-ventilated and protected from direct sunlight and excessive moisture. Mount the pump on a solid, level foundation to prevent vibration and noise.

4.2. Plumbing Connections

Connect the pump to your existing pool plumbing using appropriate fittings. Ensure all connections are watertight and free of leaks. The pump is designed for standard pool plumbing sizes, but minor adjustments may be necessary depending on your specific setup.

4.3. Electrical Wiring

The IntelliFlo pump operates on 230 Volts, 1 Phase. All electrical wiring must comply with local and national electrical codes. Ensure the power supply is disconnected before wiring. Connect the pump to a dedicated circuit with appropriate overcurrent protection. A disconnect switch should be installed in line with the power feed for maintenance purposes.

4.4. Initial Priming

Before starting the pump for the first time, ensure the pump basket is filled with water. This helps to prime the pump and prevent dry running. Once filled, secure the lid tightly. The pump will self-prime once started, but a full basket aids the process.

5. Operating Instructions

The IntelliFlo pump features an intuitive control panel for programming and operation. It allows for precise control over pump speed and run times to maximize efficiency.

5.1. Control Panel Overview

The control panel provides access to 8 programmable speed settings and a built-in timer. Refer to the detailed instructions in the full user guide for specific button functions and navigation.

5.2. Programming Speed Settings

You can program the pump to run at different speeds for various tasks. For example, a lower speed can be used for daily filtration to save energy, while a higher speed can be engaged for backwashing or operating a pool cleaner. The optimal speed for most applications is lower than traditional pumps, leading to quieter operation and reduced energy consumption.

5.3. Integration with Pool Control Systems

The IntelliFlo pump is fully compatible with Pentair's IntelliTouch, EasyTouch, and SunTouch Pool Control Systems, as well as other brands of digital pool/spa controls. This allows for centralized management of pump operation, heating, lighting, spa jets, and water features.

5.4. Manual Operation

A single push button on the control panel allows for temporary high-speed operation, useful for tasks like running a manual vacuum, after which the pump can return to its scheduled program.

6. Maintenance

Regular maintenance ensures the longevity and efficient operation of your IntelliFlo pump.

- **Basket Cleaning:** Periodically inspect and clean the pump's strainer basket to remove debris. A clogged basket can reduce flow and strain the pump.
- **Filter Maintenance:** Ensure your pool filter is regularly cleaned or backwashed according to its manufacturer's instructions. A clean filter allows the pump to operate more efficiently at lower speeds.
- **Seal and Gasket Inspection:** Over time, seals and gaskets may wear or dry out. Inspect them periodically for signs of wear or leaks. Lubricate rubber gaskets with a silicone-based lubricant as needed to prevent squealing and maintain a proper seal. Replacement of seals may be necessary after extended use.
- **Built-in Diagnostics:** The pump features built-in diagnostics that protect it from damage and contribute to a longer service life. Pay attention to any error codes or warnings displayed on the control panel.

7. Troubleshooting

This section addresses common issues you might encounter with your IntelliFlo pump.

- **Pump Not Priming:** Ensure the pump basket is full of water and the lid is securely tightened. Check for air leaks in the suction line.
- **Reduced Flow:** Check for clogged strainer baskets, dirty filters, or obstructions in the plumbing. Ensure the pump speed setting is appropriate for the desired flow.
- **Unusual Noise (Squealing/Whining):** This can often be caused by a dry or worn rubber pump gasket. Try lubricating the gasket with a silicone spray. If the noise persists, the gasket or other internal components may need replacement.

- **Pump Not Running:** Verify that the pump is receiving power and that no circuit breakers have tripped. Check the control panel for any error messages.
- **Error Codes:** Refer to the detailed troubleshooting section in the complete user manual for specific error code interpretations and solutions.

If you are unable to resolve an issue, contact a qualified pool professional or Pentair customer support.

8. Specifications

Attribute	Value
Brand	Pentair
Model Number	011018
Material	Plastic
Product Dimensions	28"L x 12"W x 15"H
Power Source	Corded Electric
Item Weight	47 Pounds
Voltage	230 Volts
UPC	788379807368
Manufacturer	Pentair - Distribution

9. Warranty Information

The standard warranty for the Pentair IntelliFlo pump is 60 days. However, this warranty is extended to 3 years if the pump is installed by a qualified installer. Please retain your proof of purchase and installation records for warranty claims. For detailed warranty terms and conditions, refer to the official Pentair warranty documentation or contact Pentair customer support.

10. Support

For further assistance, technical support, or to locate a qualified service professional, please contact Pentair customer service or visit the official Pentair website.

You can also visit the Pentair store on Amazon for additional product information and accessories:Pentair Store

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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