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Pentair WFL-VS2

Pentair WhisperFlo VS2m Pool Pump User Manual

Model: WFL-VS2

1. INTRODUCTION

Thank you for choosing the Pentair WhisperFlo VS2m Pool Pump. This variable speed pump is designed for efficient and reliable operation in various pool applications, offering significant energy savings and an intuitive user interface for easy programming and control. This manual provides essential information for the safe installation, operation, and maintenance of your pump.

Please read this manual thoroughly before installation and operation to ensure proper use and to prevent damage to the equipment or injury.

2. SAFETY INFORMATION

WARNING: 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.
- Do not operate the pump if it is damaged or has exposed electrical wiring.
- Ensure proper grounding and bonding of the pump to prevent electrical shock hazards.
- Keep children away from the pump and all pool equipment.
- Never run the pump dry. Ensure the pump is primed with water before starting.

3. SETUP AND INSTALLATION

3.1 Unpacking and Inspection

Carefully remove the pump from its packaging. Inspect the pump for any signs of shipping damage. If damage is found, contact your supplier immediately.

3.2 Location

Install the pump as close to the pool as possible to minimize friction loss from long suction lines. Ensure the location is well-ventilated, protected from excessive moisture, and allows for adequate access for maintenance.



Figure 1: Front-side view of the Pentair WhisperFlo VS2m Pool Pump, showing the motor, pump housing, and control panel.

3.3 Plumbing Connections

The pump features 2" BSP threaded inlet/outlet ports. Unions for 50mm or 63mm pipe connections are included. Use appropriate thread sealant on all connections to ensure a watertight seal. Avoid overtightening connections.



Figure 2: Side view of the pump, illustrating the plumbing connections and overall compact design.

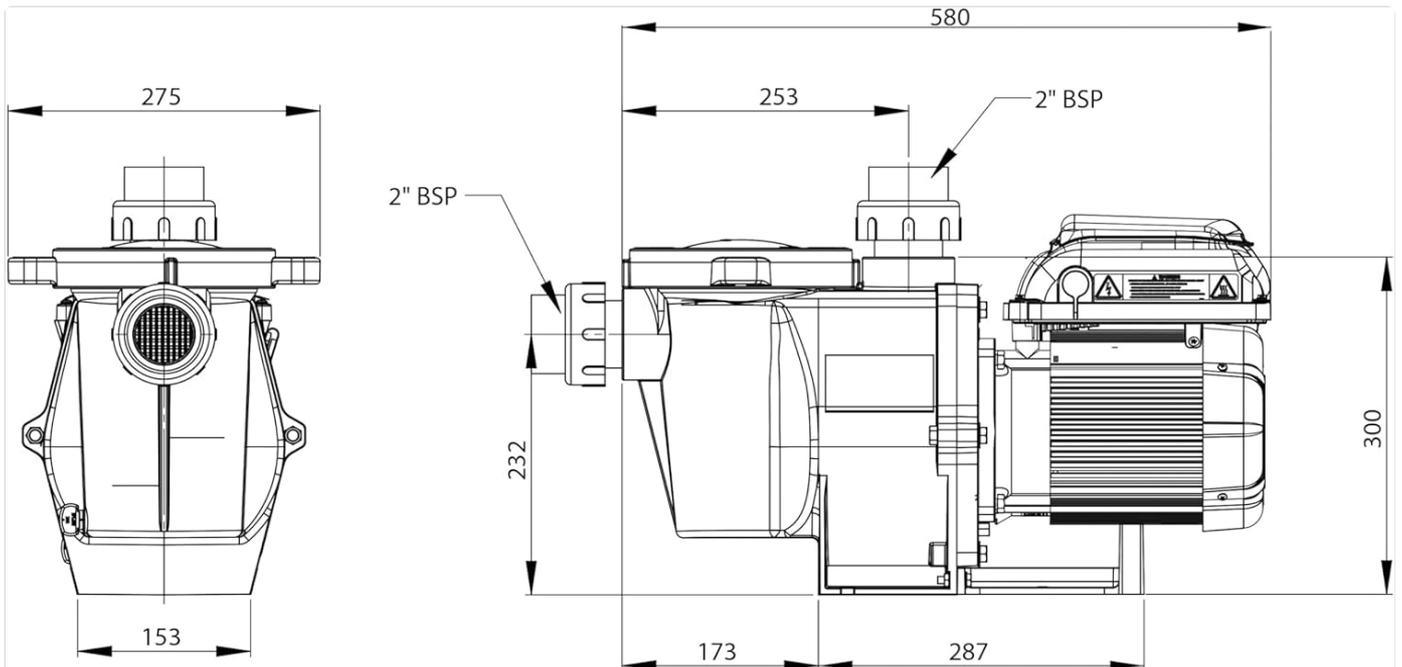


Figure 3: Technical drawing showing detailed dimensions (79L x 37W x 43H cm) and connection points for the WhisperFlo VS2m pump.

3.4 Electrical Connections

All electrical wiring must be performed by a licensed electrician. Ensure the power supply matches the pump's voltage requirements (1.1 Kilovolts). The pump must be properly grounded and bonded according to local electrical codes.

4. OPERATING INSTRUCTIONS

4.1 Priming the Pump

Before initial startup, ensure the pump is filled with water. Remove the skimmer basket lid, fill the pump basket with water, and replace the lid securely. The WhisperFlo VS2m features fast self-priming capabilities.

4.2 Control Panel Overview

The pump features a simple and intuitive LCD screen displaying power, speed, and time. It includes three programmable speeds/times plus an override function.





Figure 4: Top view of the pump, highlighting the LCD control panel with buttons for speed, time, and quick clean functions.

4.3 Programming Speeds and Times

1. Press the "Speed" button to cycle through available speeds or to enter programming mode.
2. Use the "+" and "-" buttons to adjust the desired speed (RPM) or time duration.
3. The LCD will display the current power consumption (Watts), speed, and remaining time.
4. The pump supports 4 digital inputs for external control (optional communication cable PN. 356324Z).

4.4 Override Function

The override function allows for temporary operation at a specific speed, bypassing the programmed schedule. Refer to the on-screen instructions for activation.

5. MAINTENANCE

5.1 Skimmer Basket Cleaning

Regularly inspect and clean the pump's skimmer basket. Turn off the pump, release pressure, remove the lid, empty debris, and replace the basket and lid securely.



Figure 5: Front view of the pump, showing the transparent lid of the skimmer basket for easy inspection.

5.2 Winterization

In freezing climates, proper winterization is crucial. Drain all water from the pump and plumbing lines. Store the pump in a dry, protected area if necessary.

5.3 General Care

Keep the pump area clean and free of debris. Periodically check for leaks and ensure all connections are tight. The pump

is constructed with stainless steel components for durability and has a salt resistance of 0.40%.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not start	No power, tripped breaker, motor overload, faulty wiring.	Check power supply, reset breaker, allow motor to cool, inspect wiring (call electrician if needed).
Pump not priming	Low water level, air leak in suction line, clogged skimmer basket, closed valve.	Ensure adequate water level, check for leaks, clean skimmer basket, open all valves.
Reduced flow	Clogged filter, dirty skimmer basket, air in system, impeller obstruction.	Clean filter, clean skimmer basket, check for air leaks, inspect impeller for debris.
Excessive noise/vibration	Cavitation (air in pump), worn bearings, loose mounting.	Check for air leaks, ensure proper water flow, inspect motor (professional service recommended).

7. SPECIFICATIONS

Model: WFL-VS2

Motor: Oversized 3 HP asynchronous motor reduced to 1.5 HP for high efficiency

Power Source: Electric Cable

Voltage: 1.1 Kilovolts

Max Flow Rate: 27000 Liters per hour

Product Dimensions (L x W x H): 79 x 37 x 43 cm

Item Weight: 24.5 Kilograms

Inlet/Outlet: 2" BSP with threading

Fittings: Unions included for 50mm or 63mm pipe

Programmable Speeds: 3 speeds/times + Override

Control: Intuitive LCD screen, 4 digital inputs for external control (optional communication cable PN. 356324Z)

Material: Stainless Steel (internal components), other materials for housing

Salt Resistance: 0.40%

Manufacturer: Bevo

8. WARRANTY AND SUPPORT

For warranty information and technical support, please contact your authorized Pentair dealer or the seller, WeltenMarkts. Keep your purchase receipt as proof of purchase.

Seller: WeltenMarkts

ASIN: B0CZRTG5N3

