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Vidapool SPR300-HV

Vidapool 3HP Single Speed Pool Pump Instruction Manual

Model: SPR300-HV

1. Product Overview

The Vidapool 3HP Single Speed Pool Pump is designed for efficient water circulation in both in-ground and above-ground swimming pools. This powerful 220V pump delivers a high flow rate of 8964 GPH (149 GPM) and features a self-priming design for ease of use. It is constructed with durable materials for long-lasting performance and quiet operation.



Image 1.1: The Vidapool 3HP Single Speed Pool Pump, showcasing its compact and robust design.



Image 1.2: Detailed view of the pump and its components, including 1.5" and 2" ID adapters, filter basket, drain plug, pure copper motor,

5' power cord, earthing terminal, single speed motor, and lid opener.

2. Safety Information

Always read and follow all instructions before installing and operating this product. Improper installation or operation can result in serious injury or property damage. Ensure all electrical connections are made by a qualified electrician and comply with local codes. Disconnect power before performing any service or maintenance.

- **Electrical Safety:** This pump operates on 220V. Ensure proper grounding and use a dedicated circuit with appropriate overcurrent protection.
- **Water Safety:** Never run the pump dry. Ensure the pump is fully primed with water before starting to prevent damage.
- **Placement:** Install the pump in a well-ventilated area, protected from direct sunlight and excessive moisture.

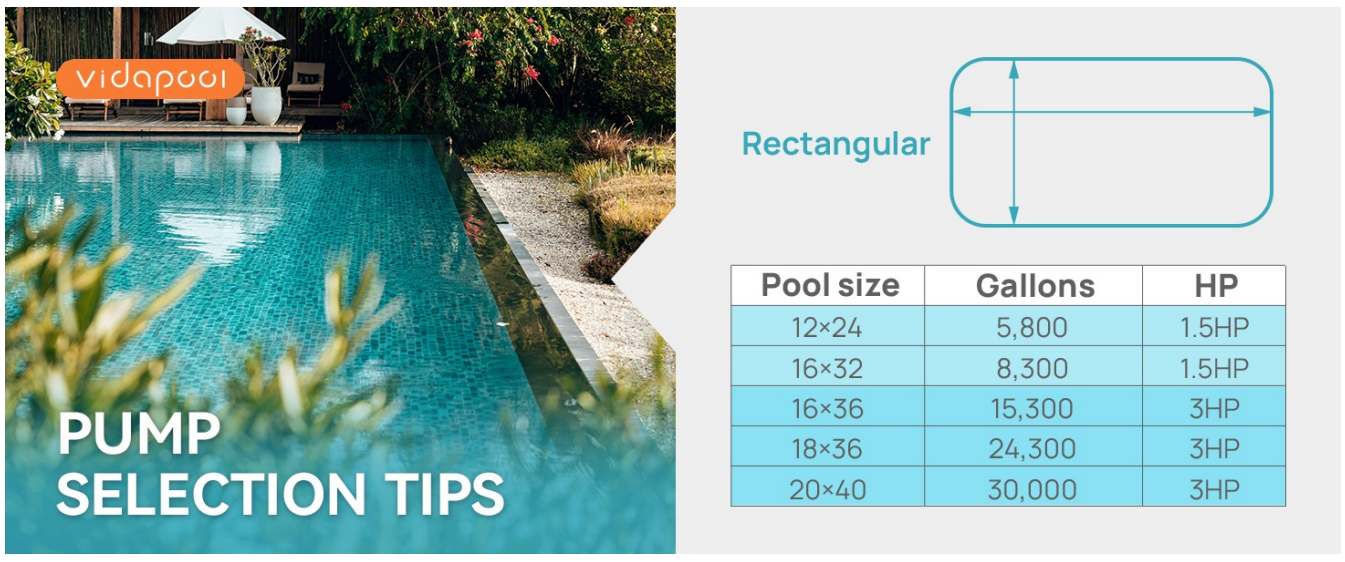

Image 2.1: The pump features a safe, UL-certified 6ft power cord, tested for safety, performance, and compliance.

3. Setup and Installation

Proper installation is crucial for the pump's performance and longevity. The Vidapool pump offers versatile compatibility with two adapter options (1.5 inches and 2 inches) for various pool setups.

3.1 Connection Methods

The pump supports two primary connection methods for inlet and outlet pipes:

1. **Method 1:** 1-1/2" or 2" Schedule 40 PVC Pipe Glue Connection.
2. **Method 2:** 1-1/2" or 2" Schedule 40 PVC Pipe Glue Connection combined with a 2" PVC Hose and Clamp.

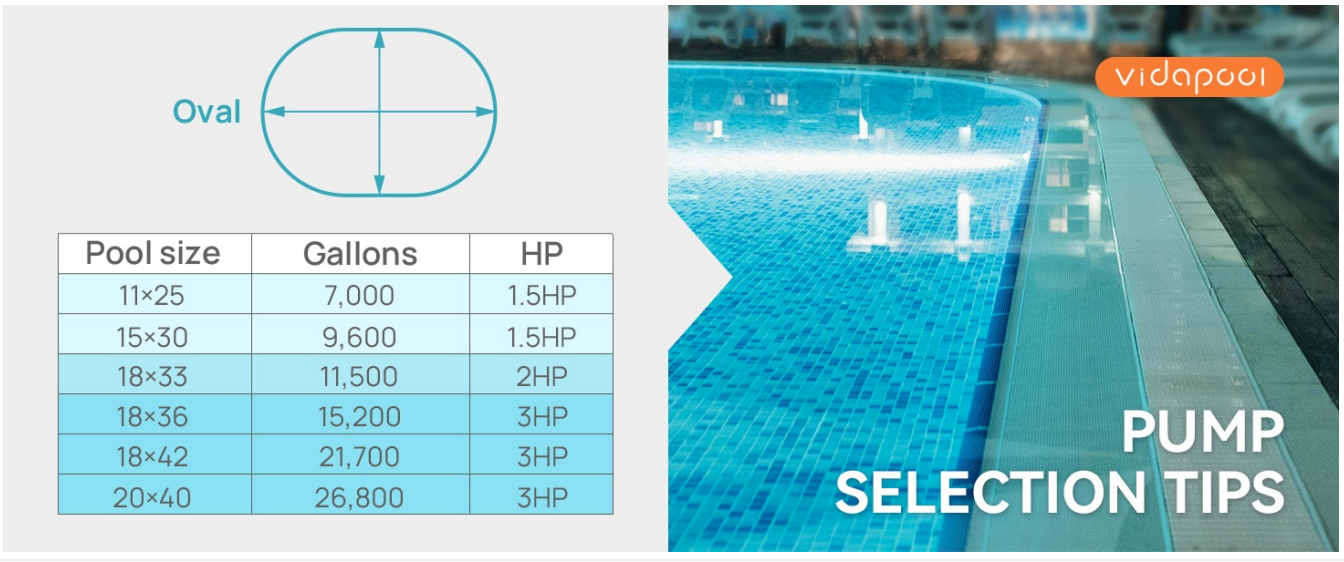

Image 3.1: Visual guide for Outlet/Inlet Connection Methods, illustrating the use of PVC cement for rigid pipe connections and hose clamps for flexible hose connections.

3.2 Priming the Pump

Before starting the pump for the first time or after maintenance, ensure it is properly primed. The pump is designed for self-priming, but initial filling of the pump basket with water is recommended.

3.3 Installation Video Guide

▶ **Watch video online**

Vidapool Single Speed Pool Pump

Video 3.1: An official video from Langley Tools (seller) demonstrating the installation and features of the Vidapool Single Speed Pool Pump. This video provides a visual guide to the setup process.

4. Operating Instructions

The Vidapool pool pump is designed for straightforward operation with a single speed setting, providing consistent and powerful water circulation.

4.1 Starting the Pump

1. Ensure all valves are open to allow water flow to and from the pump.
2. Verify the pump basket is filled with water.
3. Connect the pump to the power supply. The pump will start circulating water.

4.2 Quiet Operation

This pump incorporates advanced noise reduction technology, ensuring a peaceful pool environment without compromising its powerful performance.

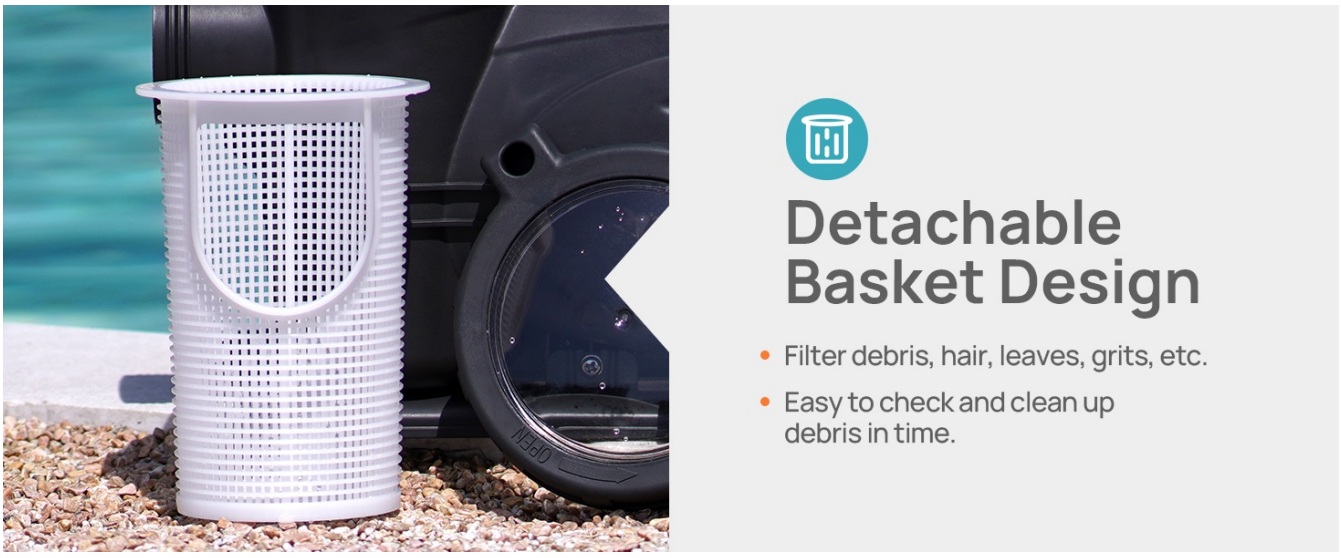

Image 4.1: The continuous duty motor provides strong power for high flow and efficient pool circulation, ensuring stable operation and ultra-low noise levels.

5. Maintenance

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

5.1 Cleaning the Filter Basket

The pump features an extra-large, detachable filter basket designed to capture debris such as leaves, hair, branches, and grit. Regular inspection and cleaning are essential.

1. **Turn off the pump:** Always disconnect power before opening the filter basket.
2. **Remove the lid:** Use the provided lid opener tool to unscrew and remove the transparent lid.
3. **Remove and clean basket:** Lift out the filter basket and empty any collected debris. Rinse the basket thoroughly with water.
4. **Inspect O-ring:** Check the lid's O-ring for any cracks or damage. Replace if necessary to ensure a watertight seal.
5. **Reassemble:** Place the clean basket back into the pump, ensuring it seats correctly. Replace the O-ring and screw the lid back on tightly using the lid opener.

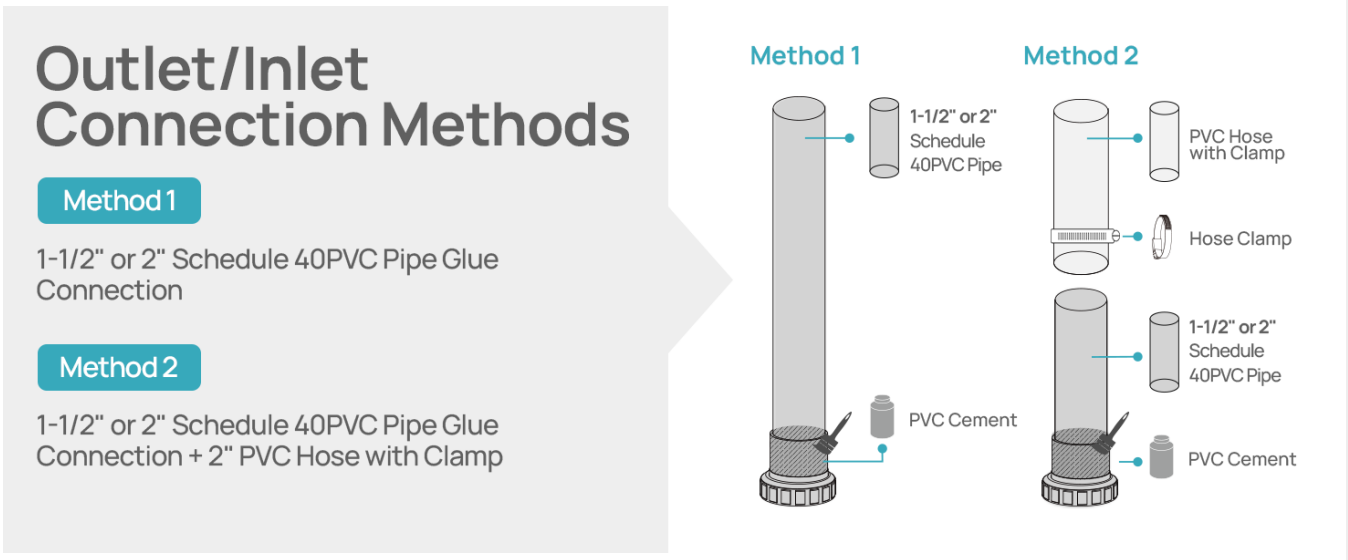

Image 5.1: The detachable basket design allows for easy checking and cleaning of debris like leaves, hair, and grit, ensuring efficient filtration.



Image 5.2: The extra-large filter bucket effectively captures various types of debris, contributing to cleaner pool water.

5.2 Winterization

For regions with freezing temperatures, proper winterization is essential to prevent damage to the pump. Drain all water from the pump and plumbing lines. Store the pump in a dry, protected area.

6. Troubleshooting

If you encounter issues with your Vidapool pump, refer to the following common troubleshooting steps:

- **Pump not starting:** Check power supply, circuit breaker, and ensure all electrical connections are secure.
- **Low water flow:** Inspect the filter basket for clogs, check for air leaks in the suction line, and ensure all valves are fully open.
- **Pump making unusual noise:** This could indicate air in the system (check for leaks), debris in the impeller, or a motor issue. Disconnect power and inspect.
- **Water leaking:** Check all pipe connections for tightness and inspect O-rings and gaskets for damage.

If problems persist after attempting these steps, please contact customer support.

7. Specifications

Key technical specifications for the Vidapool 3HP Single Speed Pool Pump:



Image 7.1: Overview of the pump's power, voltage, and flow rate specifications.

Specification	Value
Brand	Vidapool
Model Number	SPR300-HV
Horsepower	3 HP
Voltage	220 Volts
Frequency	60 Hz
Maximum Flow Rate	8964 GPH (149 Gallons Per Minute)
Maximum Lifting Height	60 Feet
Material	Cast Iron, Plastic
Style	Single Speed
Inlet/Outlet Adapters	1.5 inches, 2 inches



Image 7.2: Output flow rate at various total head measurements, providing performance data for the pump.

8. Warranty and Support

The Vidapool 3HP Single Speed Pool Pump comes with a **2-year post-purchase warranty**, ensuring peace of mind regarding your investment.

For any questions, concerns, or technical assistance, our expert customer support team is available to help. Please refer to your purchase documentation for contact details or visit the official Vidapool website for support information.

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