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VINGLI sand pool filter 10in

VINGLI 10-inch Sand Pool Filter with 1/3HP Pump Instruction Manual

Model: sand pool filter 10in

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1. PRODUCT OVERVIEW

The VINGLI 10-inch Sand Pool Filter with 1/3HP Pump is designed to efficiently circulate and filter pool water, ensuring a clean and healthy swimming environment. This system is suitable for both above-ground and inground pools, hot tubs, and spas. It features a multi-function control valve and a programmable 24-hour timer for convenient operation.

POWERFUL FILTRATION SYSTEM



Image: The VINGLI sand pool filter and pump system, showcasing its compact design and powerful filtration capabilities.

2. SAFETY INFORMATION

Always prioritize safety when operating electrical pool equipment. Read and understand all instructions before installation and use. Ensure the product is installed by a qualified professional if you are unsure about any steps. Disconnect power before performing any maintenance or adjustments.

- Ensure all electrical connections comply with local codes and standards. The energized wires are UL certified for safety.
- Never operate the pump dry. Always ensure the pump is filled with water before starting.
- Do not allow children to operate this product.
- Keep the pump and filter away from flammable materials.
- Regularly inspect all hoses and connections for leaks or damage.
- Always shut off the pump before rotating the multi-function valve handle.

3. SETUP & ASSEMBLY

Carefully unpack all components and ensure all parts are present before beginning assembly. Refer to the detailed instructions provided in the packaging for specific steps. The assembly process involves connecting the pump to the filter tank, adding filter media, and connecting the system to your pool.

3.1 Component Identification

Your browser does not support the video tag.

Video: VIVOHOME Sand Filter Pump for Pools up to 4,600 Gallons. This video demonstrates the various components and their assembly for a similar sand filter pump system.

The system includes a sand filter tank, a 1/3HP pump, a multi-function valve, a pressure gauge, and various hoses and connectors. Ensure you have all necessary parts before proceeding.

3.2 Assembly Steps

1. **Positioning:** Place the filter system on a firm, level surface near your pool. Ensure it is within reach of electrical outlets and pool connections.
2. **Connect Pump to Filter Tank:** Securely attach the pump to the base of the filter tank using the provided hardware.
3. **Install Multi-Function Valve:** Carefully place the multi-function valve onto the top of the filter tank. Ensure the O-ring is correctly seated to prevent leaks. Secure the valve with the clamp.
4. **Add Filter Media:** The filter tank is compatible with both pool filter sand (approximately 50 lbs for this model) or filter balls. Use the provided sand funnel to prevent sand from entering the center pipe. Fill the tank to the recommended level.
5. **Connect Hoses:** Connect the hoses from your pool's skimmer and return jet to the appropriate ports on the multi-function valve and pump. Ensure all connections are tight and secure using hose clamps.
6. **Install Pressure Gauge:** Screw the pressure gauge into its designated port on the multi-function valve.



Both Sand and Filter Balls are Applicable.

Image: Illustration showing that the filter tank is compatible with both sand and filter balls as media.

Your browser does not support the video tag.

Video: XtremepowerUS 12" Pool Sand Filter Above-Ground Filter Pump Set. This video provides a visual guide to the assembly process, including adding filter media and connecting hoses.

4. OPERATING INSTRUCTIONS

The VINGLI sand filter system features a 7-function control valve and a 24-hour timer for automated operation. Always ensure the pump is off before changing the valve settings.

4.1 Multi-Function Valve Settings

- **Filter:** (Water cleaning mode) This is the standard operating mode for daily filtration.
- **Rinse:** Used after backwashing to rinse the sand bed and ensure clean water returns to the pool.
- **Backwash:** (Reverse flow cleaning) Used to clean the filter media by reversing the water flow, flushing accumulated debris out of the filter.

- **Recirculate:** Bypasses the filter for mixing chemicals or distributing water without filtration.
- **Waste:** (Direct waste water discharge) Drains water directly from the pool, bypassing the filter. Useful for lowering pool water level or vacuuming to waste.
- **Winter:** (Winterization protection mode) Used to prepare the filter for winter storage, preventing freezing damage.
- **Closed:** (Valve completely shut) Closes all ports, preventing water flow through the valve. Use this setting when performing maintenance on the pump or filter.



Image: Close-up of the multi-function valve, highlighting the 7 different settings for pool maintenance.

4.2 24-Hour Timer Operation

The integrated 24-hour timer allows you to preset the pump to run automatically for 1 to 20 hours, or for continuous operation. This feature simplifies pool maintenance by automating the filtration schedule.

- Use the timer buttons on the pump's control panel to select the desired running duration.
- The pump will automatically start at the same time each day based on when the timer was initially set.
- To disable the timer and operate manually, press the 24-hour cycle button.

24 HOUR TIMER | Preset 1 to 20 hour automatic operation cycle



 Electronic Digital Display, Easy to Operate

Image: The digital control panel of the pump, showing the 24-hour timer settings.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your VINGLI sand pool filter system. Key maintenance tasks include backwashing, rinsing, and monitoring the pressure gauge.

5.1 Backwashing and Rinsing

1. **Monitor Pressure Gauge:** When the pressure gauge reading is 8-10 PSI above the clean filter starting pressure, it's time to backwash.
2. **Turn Off Pump:** Always turn off the pump before changing the multi-function valve setting.
3. **Select Backwash:** Rotate the multi-function valve handle to the "Backwash" position.
4. **Start Pump:** Turn on the pump and run it for approximately 1-2 minutes, or until the water flowing out of the waste port is clear.
5. **Turn Off Pump:** Turn off the pump again.

6. **Select Rinse:** Rotate the multi-function valve handle to the "Rinse" position.
7. **Start Pump:** Turn on the pump and run it for 30-60 seconds to rinse the sand bed.
8. **Turn Off Pump:** Turn off the pump.
9. **Select Filter:** Rotate the multi-function valve handle back to the "Filter" position for normal operation.
10. **Restart Pump:** Turn on the pump.

PRESSURE GAUGE



Image: The pressure gauge, indicating the current operating pressure of the filter system. Monitor this gauge to determine when backwashing is needed.

5.2 Winterization

Before winter, drain all water from the pump and filter to prevent freezing. Set the multi-function valve to the "Winter" position. Store the pump and filter in a dry, protected area if possible.

6. TROUBLESHOOTING

If you encounter issues with your VINGLI sand pool filter system, consult the following common troubleshooting tips:

- **Low Water Flow:** Check for clogged skimmer baskets, pump strainer basket, or dirty filter sand. Ensure all valves are fully open and hoses are not kinked.
- **Filter Not Clearing Water:** Perform a backwash and rinse cycle. Check pool chemical balance. Ensure correct amount and type of filter media is used.
- **Leaks:** Inspect all hose connections and O-rings. Tighten clamps and ensure O-rings are properly seated and lubricated.
- **Pump Not Starting:** Check power supply and ensure the pump is plugged in. Verify the timer settings.
- **Excessive Noise:** Ensure the pump is filled with water and not running dry. Check for debris in the pump impeller.

7. SPECIFICATIONS

Feature	Detail
Product Dimensions	21 x 19 x 15 inches
Item Weight	25.9 pounds
Manufacturer	VINGLI
Item Model Number	sand pool filter 10in
Pump Horsepower	1/3 HP
Max Flow Rate	2087 GPH
Voltage	115V
Timer	24-hour programmable (1-20 hours or continuous)
Max Pool Capacity	Up to 8000 gallons
Hose Outlet Size	1.25 inches

8. WARRANTY

Specific warranty details are not explicitly provided in the available product information. Please refer to the product packaging or contact VINGLI customer service for comprehensive warranty terms and conditions.

9. SUPPORT

For further assistance, technical support, or to inquire about replacement parts, please refer to the contact information provided on your product packaging or visit the official VINGLI website. If you have any questions, please feel free to contact us.