

## vidaXL 313990

# vidaXL Pool Sand Filter System with 6-Way Valve

Model: 313990

Brand: vidaXL

## 1. INTRODUCTION

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This manual provides essential instructions for the safe installation, operation, and maintenance of your vidaXL Pool Sand Filter System, Model 313990. This sand filter is designed to work with a suitable pool pump (not included) to maintain clean and clear swimming pool water. Please read this manual thoroughly before installation and use, and retain it for future reference.



Figure 1: Overview of the vidaXL Pool Sand Filter System.

## 2. SAFETY INFORMATION

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**WARNING:** Failure to follow these instructions can result in serious injury or death. Always observe basic safety precautions when installing and operating this product.

- Read all instructions before using this product.
- Ensure the filter system is installed on a level, solid surface capable of supporting its weight when filled with sand and water.
- Always disconnect power to the pump before performing any service or maintenance on the filter system.
- Do not operate the filter system if any part is damaged or missing.
- Keep children and pets away from the filter system during operation.
- Do not exceed the maximum operating pressure of 3.5 bar.
- Use only appropriate filter sand as specified.

- Consult a qualified electrician for electrical connections if unsure.

## **3. ASSEMBLY AND INSTALLATION**

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### **3.1 Unpacking and Inspection**

Carefully remove all components from the packaging. Inspect for any damage during transit. If any parts are damaged or missing, do not proceed with assembly and contact customer support.

### **3.2 Site Selection**

Place the filter system on a firm, level surface, preferably concrete, that can support the weight of the filter when filled with sand and water. Ensure adequate drainage and protection from direct sunlight or extreme weather conditions. The location should allow easy access for maintenance.

### **3.3 Filling with Filter Sand**

1. Ensure the drain plug at the bottom of the tank is securely closed.
2. Remove the top cover of the filter tank.
3. Place the standpipe with the lateral assembly inside the tank, ensuring it is centered.
4. To prevent sand from entering the standpipe, cover the top opening of the standpipe with a plastic cap or tape.
5. Carefully pour approximately 79 kg of appropriate filter sand (not included) into the tank. Distribute the sand evenly.
6. Remove the cap/tape from the standpipe.
7. Replace the top cover.



*Figure 2: Top view of the filter tank, indicating where to add filter sand.*

### **3.4 Connecting the Multi-Port Valve**

Attach the 6-way multi-port valve to the side of the filter tank. Ensure the O-ring is properly seated and tighten the connections securely. Do not overtighten.



Figure 3: Side view of the filter system with the 6-way valve connected.

### 3.5 Plumbing Connections

Connect the pool pump (not included) to the "PUMP" port on the multi-port valve. Connect the return line to the pool to the "RETURN" port. Connect a waste line (for backwashing) to the "WASTE" port. Use appropriate plumbing fittings and sealants to prevent leaks.

### 3.6 Initial Startup

1. Ensure all connections are secure and the drain plug is closed.
2. Fill the pool with water to the appropriate level.
3. Set the multi-port valve handle to the "BACKWASH" position.

4. Turn on the pool pump. Allow water to flow through the waste line until it runs clear (typically 2-3 minutes).
5. Turn off the pump.
6. Set the multi-port valve handle to the "RINSE" position.
7. Turn on the pump. Rinse for approximately 30-60 seconds.
8. Turn off the pump.
9. Set the multi-port valve handle to the "FILTER" position.
10. Turn on the pump. The system is now operating in filter mode. Note the initial pressure gauge reading.

#### 4. OPERATION: 6-WAY MULTI-PORT VALVE FUNCTIONS

The 6-way multi-port valve controls the flow of water through the filter system. **Always turn off the pump before changing the valve position to prevent damage to the valve or system.**

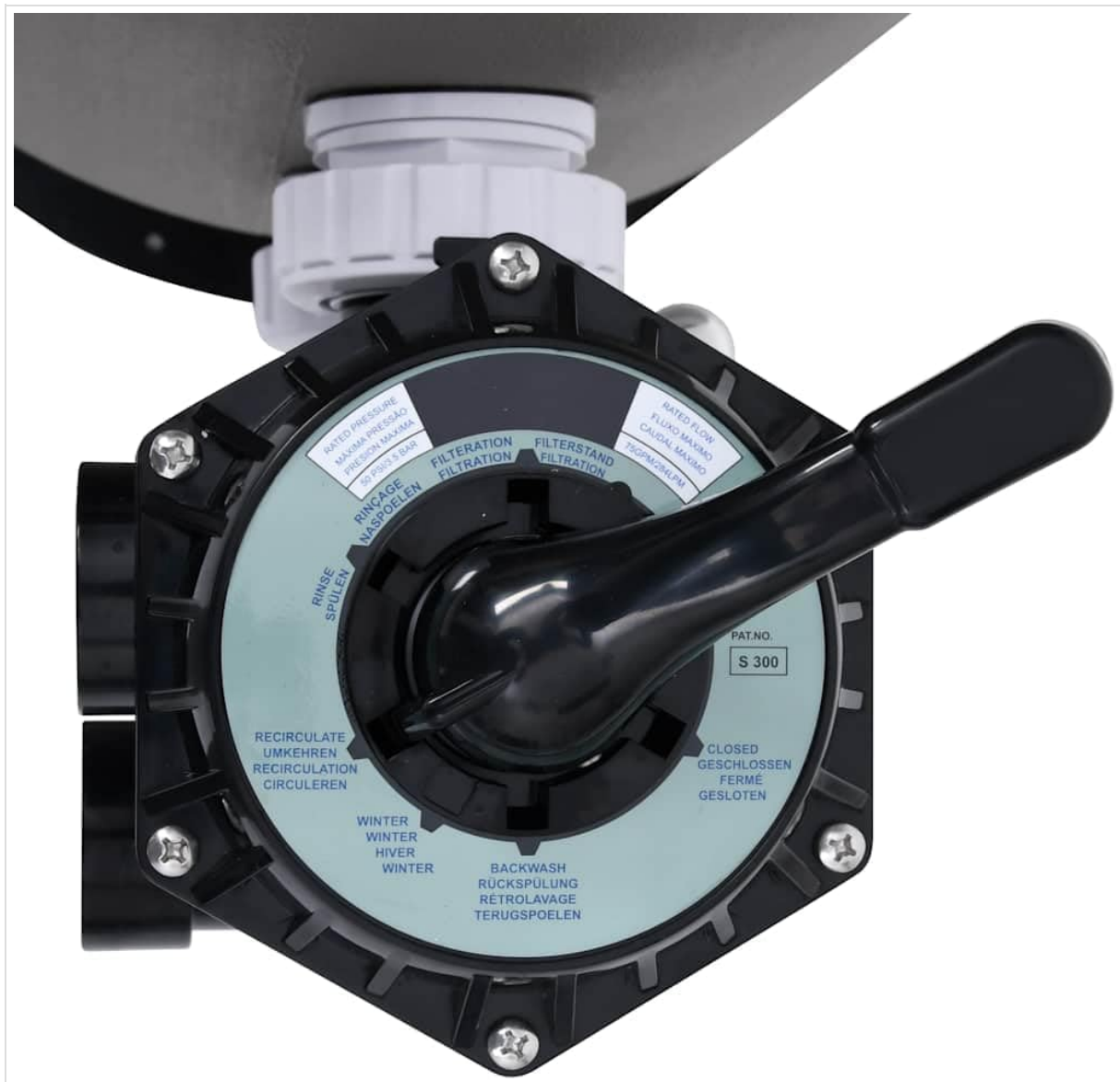


Figure 4: Detailed view of the 6-way multi-port valve settings.

- **FILTER:** Normal filtering mode. Water flows through the sand bed, is filtered, and returned to the pool.
- **BACKWASH:** Cleans the filter by reversing water flow through the sand bed, discharging debris out the waste port. Use when pressure gauge reads 8-10 PSI above initial clean pressure.
- **RINSE:** Used after backwashing to flush out any remaining debris from the valve and sand bed, ensuring clean water returns to the pool.
- **WASTE:** Bypasses the filter, sending water directly out the waste port. Used for vacuuming heavy debris directly to waste or lowering pool water level.

- **RECIRCULATE:** Bypasses the filter, circulating water directly back to the pool. Useful for mixing chemicals without filtering.
- **CLOSED:** Shuts off all flow to the filter and pump. Use for servicing the pump or filter. *Never operate the pump with the valve in the CLOSED position.*
- **WINTER:** Position for winterizing the filter system.

## 5. MAINTENANCE

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### 5.1 Backwashing

Backwash the filter when the pressure gauge reading is 8-10 PSI higher than the clean operating pressure, or when pool water clarity decreases. Follow the steps for initial startup (steps 3-8) to perform a backwash and rinse cycle.

### 5.2 Sand Replacement

Filter sand typically needs replacement every 3-5 years, depending on usage and water quality. Consult a pool professional if you are unsure.

### 5.3 Winterization

Before freezing temperatures, drain all water from the filter tank by opening the drain plug. Disconnect all plumbing. Set the multi-port valve to the "WINTER" position. Store the pump and filter in a dry, protected area if possible, or cover them securely.



Figure 5: Location of the drain plug for winterization and maintenance.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Low water flow / High pressure	Dirty filter sand; clogged skimmer/pump basket; closed valve.	Backwash and rinse filter; clean skimmer and pump baskets; ensure all valves are open.
Cloudy pool water	Insufficient filtration time; dirty filter sand; improper water chemistry.	Increase filtration time; backwash and rinse filter; test and adjust pool chemistry.
Water leaking from valve	Damaged O-rings or gaskets; loose connections.	Inspect and replace O-rings/gaskets; tighten connections.
Sand returning to pool	Damaged laterals inside filter; improper sand type/amount.	Inspect laterals for damage and replace if necessary; ensure correct sand type and quantity.

## 7. SPECIFICATIONS

- **Brand:** vidaXL

- **Model Number:** 313990
- **Material:** High-density Polyethylene (Plastic)
- **Item Weight:** 13.97 Kilograms
- **Maximum Flow Rate:** 9 m<sup>3</sup>/h (as designed)
- **Maximum Working Pressure:** 3.5 bar
- **Required Filter Sand:** 79 kg (not included)
- **Valve Type:** Side-Mounted 6-Way Multi-Port Valve

## 8. WARRANTY INFORMATION

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This product is covered by a manufacturer's warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary. Please refer to the warranty card included with your purchase or contact vidaXL customer support for detailed information.

## 9. CUSTOMER SUPPORT

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For technical assistance, replacement parts, or warranty claims, please contact the retailer where you purchased this product or visit the official vidaXL website for support contact information. When contacting support, please have your model number (313990) and purchase details readily available.

You can find more information about vidaXL products and support at: [www.vidaxl.com](http://www.vidaxl.com)