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XtremepowerUS 75132-4

XtremepowerUS 13-inch Sand Filter System with 3/4 HP Pump User Manual

Model: 75132-4

1. Introduction

This manual provides essential instructions for the safe installation, operation, and maintenance of your XtremepowerUS 13-inch Sand Filter System with 3/4 HP Pump. Please read this manual thoroughly before installation and operation to ensure proper function and longevity of the product. Keep this manual for future reference.

2. Safety Information

WARNING: Failure to follow these instructions can result in serious injury or death.

- Always disconnect power to the pump before performing any service or maintenance.
- Ensure the electrical supply meets the pump's requirements and is protected by a Ground Fault Circuit Interrupter (GFCI).
- Do not operate the pump if the power cord or plug is damaged.
- Keep children and unauthorized persons away from the pool equipment area.
- Never operate the filter system without water. Ensure the pump is primed before starting.
- Do not exceed the maximum operating pressure of the filter system.
- Use only approved filter media (pool filter sand) as specified.

3. Package Contents

Verify that all components are present and undamaged:

- Sand Filter Tank (13-inch)
- 3/4 HP Swimming Pool Pump
- Multi-Port Valve
- Pressure Gauge
- Hose Connections and Clamps
- Base Plate
- User Manual

4. Product Overview

The XtremepowerUS Sand Filter System is designed for efficient filtration of above-ground pools. It consists of a durable filter tank, a powerful pump, and a multi-port valve for various operational modes.



Figure 4.1: Complete XtremepowerUS 13-inch Sand Filter System with 3/4 HP Pump. This image shows the assembled sand filter tank, the pump, and connecting hoses, ready for use with an above-ground pool.



Figure 4.2: Side view of the XtremepowerUS sand filter and pump assembly, highlighting the compact design and connections.



Figure 4.3: Close-up view of the 3/4 HP swimming pool pump, showing its motor and intake basket.



Figure 4.4: Detailed view of the multi-port valve, illustrating the various operational settings for the filter system.

5. Setup and Installation

Proper installation is crucial for the system's performance and safety. Ensure the installation site is level, well-drained,

and protected from direct weather exposure.

5.1. Assembly

1. **Position the Base:** Place the base plate on a firm, level surface near your pool.
2. **Mount the Tank:** Secure the sand filter tank onto the base plate.
3. **Add Filter Media:** Before adding sand, ensure the standpipe and laterals inside the tank are properly positioned. Fill the tank approximately halfway with water to cushion the laterals, then carefully add the specified amount of pool filter sand (approximately 42 lbs for this 13-inch tank). Ensure the sand level is below the top of the standpipe.



Figure 5.1: Illustrates the process of adding filter media (sand) into the filter tank. Ensure the standpipe is protected during this step.

4. **Install Multi-Port Valve:** Carefully place the multi-port valve onto the tank, aligning it with the standpipe. Secure the valve to the tank using the provided clamp and hardware. Ensure a tight seal.



Figure 5.2: Close-up of the clamp mechanism used to secure the multi-port valve to the sand filter tank, ensuring a leak-free connection.

5. **Connect the Pump:** Position the pump on the base plate next to the filter tank. Connect the pump's discharge port to the multi-port valve's "PUMP" inlet using the provided hose and clamps.
6. **Connect Pool Hoses:** Connect the pool's skimmer line to the pump's intake. Connect the multi-port valve's "RETURN" port to the pool's return line. Connect a backwash hose to the "WASTE" port. Ensure all connections are secure and leak-free.

5.2. Priming the Pump

Before starting the pump, it is essential to prime it to prevent damage:

1. Ensure the pool water level is adequate.
2. Open all suction and return valves on the pool.
3. Fill the pump's strainer basket with water until it overflows. Replace the lid securely.
4. Set the multi-port valve to the **BACKWASH** position.
5. Turn on the pump. Water should begin to flow from the waste port. Run for 1-2 minutes or until water runs clear.
6. Turn off the pump.
7. Set the multi-port valve to the **RINSE** position.

8. Turn on the pump. Run for 30-60 seconds.
9. Turn off the pump.
10. Set the multi-port valve to the **FILTER** position. The system is now ready for normal operation.

6. Operating Instructions

The 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.

6.1. Multi-Port Valve Functions

- **FILTER:** Normal filtration mode. Water flows through the sand bed, is filtered, and returned to the pool.
- **BACKWASH:** Cleans the filter by reversing water flow, flushing trapped debris out the waste port.
- **RINSE:** Used after backwashing to flush residual dirt from the valve and settle the sand bed before returning to FILTER mode. Water exits the waste port.
- **WASTE:** Bypasses the filter, sending water directly out the waste port. Useful 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 chemical distribution without filtering.
- **CLOSED/WINTER:** Shuts off flow to the filter. Used for servicing the pump or filter, or for winterizing. Never operate the pump with the valve in the CLOSED position.

6.2. Normal Operation

Set the multi-port valve to **FILTER**. Turn on the pump. Monitor the pressure gauge. The initial clean filter pressure should be noted. Run the filter system for several hours daily to maintain clear pool water.

7. Maintenance

7.1. Backwashing

Backwash the filter when the pressure gauge reads 8-10 PSI above the clean filter pressure, or when pool water appears cloudy. This indicates the sand bed is saturated with debris.

1. Turn off the pump.
2. Set the multi-port valve to **BACKWASH**.
3. Turn on the pump. Run until the water flowing from the waste port is clear (typically 1-2 minutes).
4. Turn off the pump.
5. Set the multi-port valve to **RINSE**.
6. Turn on the pump. Run for 30-60 seconds.
7. Turn off the pump.
8. Set the multi-port valve to **FILTER**.
9. Turn on the pump for normal operation.

7.2. Filter Media Replacement

Pool filter sand typically lasts 3-5 years. Replace the sand when filtration efficiency decreases significantly, even after backwashing.

7.3. Winterizing

Before freezing temperatures, drain all water from the pump, filter, and plumbing. Set the multi-port valve to the **WINTER** or **CLOSED** position (if available) or remove the valve and store it indoors. Store the pump indoors if possible.

8. Troubleshooting

Problem	Possible Cause	Solution
Low water flow / Poor filtration	• Clogged filter sand • Clogged pump strainer basket • Air leak in suction line • Low pool water level	• Backwash the filter • Clean pump strainer basket • Check all connections for leaks • Add water to pool
Pump not priming	• Air leak in suction line • Pump basket not full of water • Low pool water level	• Check and seal all connections • Fill pump basket with water • Add water to pool
Water leaking from connections	• Loose connections • Damaged O-rings/gaskets	• Tighten all hose clamps and fittings • Inspect and replace O-rings/gaskets as needed
Pump not running	• No power • Motor overload	• Check power supply, GFCI, and circuit breaker • Allow motor to cool, then reset

9. Specifications

Feature	Specification
Model Number	75132-4
Filter Tank Diameter	13 inches
Filter Media Capacity	Approx. 42 lbs of pool filter sand
Recommended Pool Size	Up to 10,000 gallons
Pump Horsepower	3/4 HP
Pump Flow Rate	2400 GPH (Gallons Per Hour)
Product Dimensions (L x W x H)	17 x 17 x 23.5 inches
Item Weight	26.6 pounds
Manufacturer	XtremepowerUS

10. Warranty and Support

For warranty information or technical support, please contact XtremepowerUS customer service. Refer to your purchase documentation for specific warranty terms and contact details.

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