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Bestway 58397_04

Bestway Flowclear Sand Filter Pump (2006 l/h)

USER MANUAL

Product Overview

This manual provides essential information for the safe operation, installation, and maintenance of your Bestway Flowclear Sand Filter Pump. This pump is designed to filter water for pools with capacities ranging from 1,100 to 16,000 liters, ensuring clean and clear water.

Key features include:

- Filter performance: Approximately 2,006 liters per hour
- Power: 220-240 V~/50 Hz, 85 W
- Required filter sand: Approximately 8.5 kg of No. 20 (0.45-0.85mm) filter sand (not included)



The Bestway Flowclear Sand Filter Pump, illustrating its overall design and components. This image provides a visual reference for the product.

Important Safety Instructions

Read and follow all instructions carefully before installing and using this product. Failure to do so can result in serious injury or death.

- Always disconnect the pump from the power supply before performing any maintenance or assembly.
- Do not bury the electrical cord. Locate cord to minimize abuse from lawn mowers, hedge trimmers, or other equipment.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- The pump must be supplied by an isolating transformer or supplied through a residual current device (RCD) having a rated residual operating current not exceeding 30 mA.

Setup and Installation

Unpacking and Component Check

Carefully remove all components from the packaging. Ensure all parts are present:

- Sand Filter Pump unit
- Hoses and clamps
- Multi-port valve
- Pressure gauge

Assembly Steps

1. **Positioning the Pump:** Place the pump on a solid, level surface, at least 2 meters (6.5 feet) away from the pool edge. Ensure it is lower than the pool's water level for optimal priming.
2. **Adding Filter Sand:** Unscrew the top multi-port valve. Carefully pour the recommended 8.5 kg of No. 20 (0.45-0.85mm) filter sand into the filter tank. Do not overfill.
3. **Attaching the Multi-port Valve:** Reattach the multi-port valve to the top of the filter tank, ensuring a secure and watertight seal.
4. **Connecting Hoses:** Connect the hoses from the pool's skimmer/outlet to the pump's inlet ("PUMP" port) and from the pump's outlet ("RETURN" port) back to the pool's return jet. Secure all connections with clamps.
5. **Connecting Waste Hose:** Connect a waste hose to the "WASTE" port on the multi-port valve. This hose will direct water away from the pool during backwashing or draining.
6. **Initial Priming:** Before starting the pump, ensure the pool is filled with water and all air is purged from the system.



This image shows a hand operating the multi-port valve on top of the sand filter pump, illustrating the valve's position and the connected hoses. The valve is crucial for directing water flow during different filtration modes.



A close-up view of a hose securely connected to the pump's inlet, demonstrating the proper attachment method for the corrugated hoses.



Detail of the clamp mechanism used to secure the multi-port valve to the filter tank, ensuring a tight seal.



A clear view of the internal strainer basket, which prevents larger debris from entering the pump impeller.



Operating the Sand Filter Pump

Multi-port Valve Functions

The multi-port valve has several settings to control the water flow:

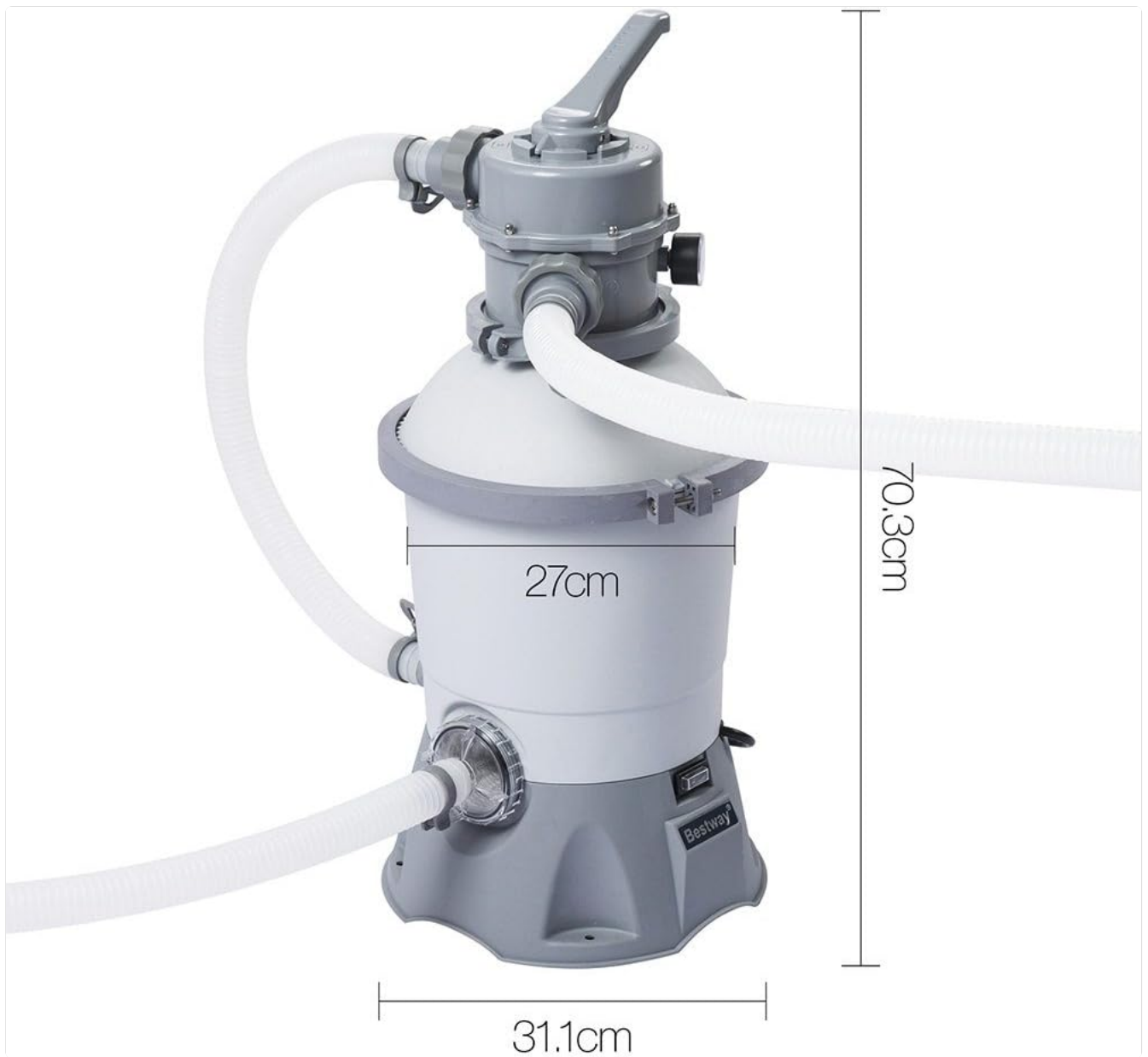
- **FILTER:** Normal filtering mode. Water flows through the sand, is filtered, and returned to the pool.
- **BACKWASH:** Cleans the filter sand. Water flows in reverse through the sand and out the waste port.
- **RINSE:** Used after backwashing to settle the sand and flush out any remaining dirty water to waste.
- **RECIRCULATE:** Circulates water without filtering (e.g., for chemical distribution).
- **CLOSED:** Shuts off all flow to the filter. Do not operate the pump in this position.
- **DRAIN:** Drains water directly from the pool through the waste port, bypassing the filter.

Starting the Pump

1. Ensure all hoses are securely connected and the pool is filled.
2. Set the multi-port valve to the "FILTER" position.
3. Plug in the pump and turn on the power switch.
4. Monitor the pressure gauge. A rising pressure indicates the filter is becoming dirty and requires backwashing.



A detailed view of the multi-port valve, clearly showing the different operational settings (Filter, Backwash, Rinse, Recirculate, Closed, Drain) and the pressure gauge.



Close-up of the pressure gauge, which indicates the internal pressure of the filter system. Monitoring this gauge helps determine when backwashing is needed.



The power switch located on the pump unit, used to turn the pump on and off.

Maintenance

Backwashing the Filter

Backwash the filter when the pressure gauge reading is 0.2-0.3 bar (3-5 PSI) above the initial clean filter pressure, or when water flow to the pool significantly decreases.

1. Turn off the pump and unplug it.
2. Set the multi-port valve to "BACKWASH".
3. Plug in and turn on the pump. Run until the water flowing out of the waste port is clear (typically 1-2 minutes).
4. Turn off the pump and unplug it.
5. Set the multi-port valve to "RINSE".
6. Plug in and turn on the pump. Run for 30-60 seconds to settle the sand.

7. Turn off the pump and unplug it.
8. Set the multi-port valve back to "FILTER".
9. Plug in and turn on the pump for normal operation.

Sand Replacement

Filter sand typically needs to be replaced every 3-5 years, depending on usage and water quality. Refer to the "Adding Filter Sand" section in Setup for replacement instructions.

Winterization

Before winter, drain all water from the pump and hoses. Store the pump in a dry, frost-free location.

Troubleshooting

Common Issues and Solutions

| Problem | Possible Cause | Solution |
|---------------------|--|---|
| Pump not starting | No power; tripped breaker; motor issue | Check power connection, circuit breaker, or contact support. |
| Low water flow | Clogged skimmer/strainer; dirty filter sand; air in system | Clean skimmer basket, backwash filter, check for air leaks. |
| Water not clearing | Insufficient filtration time; chemical imbalance; old sand | Increase filtration time, test pool chemistry, consider replacing sand. |
| Leaking connections | Loose clamps; worn O-rings | Tighten clamps, inspect and replace O-rings if necessary. |

Product Specifications

| Feature | Detail |
|------------------------|-------------------------------------|
| Brand | Bestway |
| Model Number | 58397_04 |
| Filter Performance | 2,006 Liters Per Hour |
| Voltage | 220-240 V~ |
| Frequency | 50 Hz |
| Power | 85 W |
| Suitable Pool Capacity | 1,100 - 16,000 Liters |
| Required Filter Sand | Approx. 8.5 kg No. 20 (0.45-0.85mm) |
| Material | Plastic |

| Feature | Detail |
|--------------------|------------------------------|
| Color | Gray |
| Item Weight | 7.5 Kilograms (16.5 pounds) |
| Product Dimensions | 17.72 x 25.59 x 19.69 inches |



An image illustrating the key dimensions of the Bestway Flowclear Sand Filter Pump, including height and width measurements.

Warranty and Customer Support

For warranty information, technical support, or replacement parts, please contact Bestway customer service. Keep your purchase receipt as proof of purchase.

Visit the official Bestway website for the most up-to-date contact information and FAQs.

