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› BLUBERY 13" Sand Filter with 1/3HP Pump System User Manual

## BLUBERY GSF01A

# BLUBERY 13" Sand Filter with 1/3HP Pump System User Manual

Model: GSF01A

## 1. PRODUCT OVERVIEW

The BLUBERY 13" Sand Filter with 1/3HP Pump System (Model GSF01A) is designed for efficient water filtration in above-ground pools up to 8,500 gallons. This system features a durable sand filter tank, a powerful 1/3 HP pump, and a versatile 7-way multi-port valve for various operational modes. It includes a prefilter basket to capture larger debris and an easy-to-read pressure gauge for monitoring system performance.



Image 1.1: The BLUBERY 13" Sand Filter with 1/3HP Pump System, showcasing the blue filter tank, pump, and multi-port valve assembly.



Image 1.2: The BLUBERY sand filter system installed and operating with an above-ground pool, demonstrating its compact footprint and connection points.

## 2. SAFETY INFORMATION

Read all instructions carefully before installation and operation. Failure to follow these instructions can result in serious injury or property damage.

- Always disconnect the power supply before performing any maintenance or service on the unit.
- Ensure the system is installed on a level, solid surface.
- Do not operate the pump dry. Ensure the pump is primed with water before starting.
- Keep children away from the pool filter system during operation.
- This appliance is not intended for use by persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Only use medium-grade pool-filtering sand (not included) as the filter media.

## 3. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and longevity of your sand filter system. Follow these steps carefully.

### 3.1. Installing Filter Fingers

The filter fingers are essential components inside the sand tank that facilitate water flow through the sand media.



Image 3.1: Visual guide for installing the filter fingers into the distributor and then into the tank.

1. **Step 1:** Align the black dots protruding on the filter fingers with the black dots protruding on the distributor.
2. **Step 2:** Insert the filter finger vertically into the distributor, then turn right to 45° to lock it securely in place.
3. **Step 3:** After installing the first two filter fingers, carefully place them into the tank.
4. **Step 4:** Install the remaining filter fingers into the tank, ensuring all are properly seated.

### 3.2. Sealing O-Rings

Ensure all O-rings are correctly placed and seated to prevent leaks and ensure proper system function.



### How often to replace the sand:

The capacity of 5.3 gallons is enough for you to use for one year, and then replace with new sand.



### Power Line: 23 Ft

The extended power cord expands your working range and is very convenient to use.



### Backwashing interface Sewage water :

① The water is channelled into the upper part of the filter container in this position, and the valve is rinsed whilst the water runs off via the waste pipe.

### ② Filter Water outlet (clean water) :

Filtered water is discharged from this interface

### ③ Water inlet :

The water that needs to be filtered, enters from this entrance

Image 3.2: Detailed view of O-ring placements on the pump, top valve, bottom, and pressure gauge for a secure seal.

- Three O-rings are located on the pump connections.
- Three O-rings are located on the top valve connections.
- Two thick O-rings are located on the bottom connections.
- A large O-ring seals the top valve to the tank.
- A small O-ring is used for the pressure gauge connection.

Lubricate O-rings with a silicone-based lubricant to ensure a good seal and prevent cracking.

### 3.3. Adding Filter Sand

The system requires 45 pounds of medium-grade pool-filtering sand (not included).

- Ensure the filter fingers are properly installed before adding sand.
- Place a small amount of water in the tank to cushion the filter fingers when adding sand.
- Carefully pour the sand into the tank, ensuring it is evenly distributed.
- Do not allow sand to enter the center pipe.

## 4. OPERATING INSTRUCTIONS: 7-WAY VALVE FUNCTIONS

The multi-port valve allows for various operational modes to manage your pool water effectively. Always turn off the pump before changing valve positions.

## FOUR STEPS TO INSTALL FILTER FINGERS

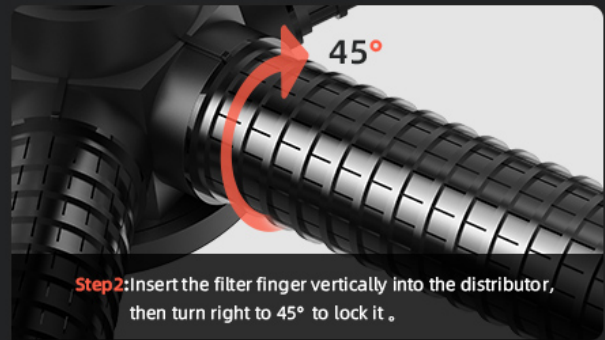
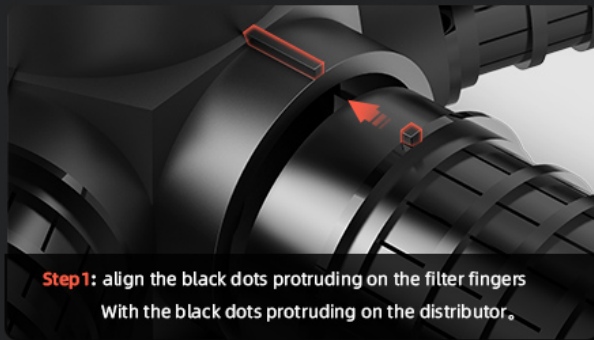


Image 4.1: Diagram illustrating the different positions and functions of the 7-way multi-port valve.

- **Filter:** Used for filtering regular pool water. This is the standard operating mode.
- **Rinse:** Use after backwashing to clean the filter and settle the sand bed. Run for 30-60 seconds.
- **Circulation:** For circulating water without filtering, useful for distributing chemicals.
- **Waste:** Used for vacuuming pools with large amounts of debris directly to waste, or after an algae treatment. Water is discharged from the waste port.
- **Recirculate:** For circulating water after chemical treatment, bypassing the filter.
- **Closed:** This position stops the flow of water into the pump and filter. Use when cleaning the hair and lint strainer or performing maintenance.
- **Winter:** Used for winterizing and long-term storage of the filter system.

## 5. MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your BLUBERY sand filter system.

### 5.1. Sand Replacement

The capacity of the 5.3-gallon tank is sufficient for approximately one year of use. It is recommended to replace the sand annually or as needed based on water clarity and filter performance.



## 7 way valve operation for conveniently using

- Filter-used to filter regular water
- Rinse - Use after backwashing to clean the filter
- Circulation - For position needed to clean the filter/ sand.
- Waste -forvacuuming pools with large amounts of debris or after an algae treatment
- Recirculate - for circulate water after chemical treatment.
- Closed - This posi-tion stops the flow of water into the pump and filter .Cleaning the hair and lint strainer.
- Winter - winterizing and storage.

Image 5.1: Information on sand replacement frequency and the length of the power cord.

### 5.2. Cleaning the System

Regular cleaning helps maintain optimal performance.



Disconnect the device from the power supply prior to cleaning. Only use a damp cloth to clean the housing. Subsequently clean the surfaces with a dry cloth.



Sometimes the machine may activate the overheating protection, you can use a small tool to move the impeller at the rear of the pump.

Image 5.2: Instructions for cleaning the unit and a tip regarding overheating protection.

- Disconnect the device from the power supply prior to cleaning.
- Only use a damp cloth to clean the housing.
- Subsequently, clean the surfaces with a dry cloth.

- Regularly check and clean the hair and debris strainer basket located in the pump's prefilter.

## 6. TROUBLESHOOTING

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This section addresses common issues you might encounter with your sand filter system.

### 6.1. Overheating Protection

The pump is equipped with an overheating protection mechanism. If the machine activates this protection and stops operating, it may be due to an obstruction in the impeller.

- Disconnect the power supply immediately.
- Use a small tool to gently move the impeller at the rear of the pump to clear any potential blockages.
- Allow the pump to cool down before restarting.

### 6.2. Low Flow or Pressure

- Check the pressure gauge: A high reading indicates a dirty filter that needs backwashing.
- Inspect the pump's strainer basket for debris and clean if necessary.
- Ensure all valves are fully open and hoses are not kinked.
- Check for air leaks in the suction line.

### 6.3. Leaks

- Verify all connections are tight.
- Check all O-rings for proper seating and damage. Replace if necessary.

## 7. SPECIFICATIONS

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Technical specifications for the BLUBERY 13" Sand Filter with 1/3HP Pump System.



Pump : **1/3 HP**

HDPE Tank : **5.3 Gal**

Certificated : **ETL**

Water flow : **1866 GPH**

Tank Diamter : **13 inches**

Working pressure : **1.5bar**

Input power : **250 W , 110/115 V**

Hose : **Ø15 inches**

Image 7.1: Visual representation of key product specifications including pump power, tank capacity, and flow rate.



Image 7.2: Diagram showing the overall dimensions of the sand filter system.

Feature	Specification
Brand	BLUBERY
Model	GSF01A
Pump Horsepower	1/3 HP
Tank Diameter	13 inches
Tank Capacity	5.3 Gallons (for sand)
Recommended Pool Size	Up to 8,500 gallons (above-ground pools)
Required Sand Weight	45 pounds (medium-grade pool-filtering sand)

Voltage	115 Volts
Power Cord Length	23 FT
Product Dimensions (L x W x H)	23.3" x 15.7" x 22.5"
Item Weight	19 Pounds
Material	Acrylonitrile Butadiene Styrene (ABS), Aluminum, Brass, Bronze, Cast Iron, Nylon, Plastic, Polypropylene (PP), Stainless Steel, Zinc

## 8. WARRANTY AND SUPPORT

BLUBERY provides a 12-month after-sales service for this product. If you encounter any issues or require assistance, please contact BLUBERY customer support.

For support, please refer to the contact information provided with your purchase or visit the official BLUBERY website.

