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› Intex 28646-56674 Sand Filter Pump User Manual

Intex 28646-56674

Intex 28646-56674 Sand Filter Pump User Manual

Comprehensive guide for setup, operation, and maintenance of your Intex Sand Filter Pump.

1. INTRODUCTION

Thank you for purchasing the Intex 28646-56674 Sand Filter Pump. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your sand filter pump. Please read this manual thoroughly before installation and operation to ensure proper use and to prevent damage to the equipment or injury. Keep this manual for future reference.

2. SAFETY INFORMATION

Always follow basic safety precautions when installing and using this electrical product.

- Ensure the power source matches the pump's voltage requirements.
- Do not operate the pump if the power cord or plug is damaged.
- Keep children away from the pump and electrical connections.
- Always disconnect power before performing any maintenance or service.
- Install the pump on a firm, level surface.
- Do not bury the electrical cord.

3. SETUP AND INSTALLATION

Follow these steps for proper setup and installation of your sand filter pump.



Figure 3.1: Overview of the Intex Sand Filter Pump assembly, showing the filter tank, pump motor, and connecting hoses.

1. **Unpacking and Component Identification:** Carefully remove all components from the packaging. Verify that all parts listed in the packing list are present. Place the filter tank and pump motor on a stable, level surface near your pool.
2. **Filling the Filter Tank with Sand:**
 - Remove the multi-port valve (MPV) from the top of the filter tank.
 - Cover the standpipe opening inside the tank to prevent sand from entering.
 - Slowly add filter sand (not included) into the tank. Refer to specifications for the correct sand type and quantity.
 - Once filled, remove the standpipe cover and clean any sand from the tank's rim.
3. **Attaching the Multi-Port Valve (MPV):** Carefully place the MPV onto the top of the filter tank, ensuring the standpipe aligns correctly with the MPV's opening. Secure the MPV with the provided clamp or bolts.



Figure 3.2: Close-up of the multi-port valve with various settings (Recirculate, Circulation, Backwash, Rinse, Closed, Waste, Egout, Residu).

4. Connecting Hoses:

- Connect the hose from the pool's return fitting to the "RETURN" port on the MPV.
- Connect the hose from the pool's skimmer/main drain to the "PUMP" inlet on the pump motor.
- Connect the hose from the pump's outlet to the "PUMP" port on the MPV.
- Connect a backwash hose to the "WASTE" port on the MPV, directing it to an appropriate drainage area.



Figure 3.3: Detail of the pump's pre-filter basket, showing the clear lid and connection points for hoses.

5. **Electrical Connection:** Ensure the pump is connected to a grounded electrical outlet protected by a Ground Fault Circuit Interrupter (GFCI). Do not use extension cords.
6. **Priming the Pump:** Before starting, ensure the pump is filled with water. Open the air relief valve on the top of the pump's pre-filter basket until water flows out. Close the valve.

4. OPERATING INSTRUCTIONS

The multi-port valve (MPV) controls the flow of water through the filter system. Always turn off the pump before changing the MPV position.

- **FILTER (Normal Filtration):** This is the standard operating position for daily filtration. Water flows through the sand

bed, trapping debris, and returns to the pool.

- **BACKWASH (Cleaning Filter):** Used to clean the sand filter. Water flows in reverse through the sand bed, dislodging trapped debris, and exits through the waste port. Backwash until the water in the sight glass (if present) runs clear.
- **RINSE (Compacting Sand):** Used after backwashing to settle the sand bed and flush out any remaining dirty water from the valve. Run for 30-60 seconds.
- **WASTE (Draining/Vacuuming to Waste):** Bypasses the filter and sends water directly out the waste port. Useful for draining the pool or vacuuming heavy debris directly to waste.
- **RECIRCULATE (Bypassing Filter):** Circulates water through the pump and back to the pool without passing through the filter sand. Useful for chemical distribution or if the filter is temporarily out of service.
- **CLOSED (Shut Off All Flow):** Closes all flow to the filter and pump. Use only when performing maintenance on the pump or filter, and ensure the pump is off.

Operating Schedule

Run the filter pump for at least 8-12 hours per day, depending on pool size, usage, and water quality. Monitor the pressure gauge (if equipped); an increase in pressure indicates the need for backwashing.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your sand filter pump.

- **Routine Cleaning:**
 - **Pre-filter Basket:** Regularly check and clean the pre-filter basket (strainer pot) to remove large debris. Turn off the pump, close valves, unscrew the clear lid, remove the basket, and rinse it.
 - **Backwashing:** Perform backwashing when the pressure gauge reading is 5-10 PSI above its clean operating pressure, or when water clarity decreases.
- **Sand Replacement:** Filter sand typically needs to be replaced every 3-5 years, depending on usage and water quality. Refer to the "Setup" section for instructions on filling the tank.
- **Winterization:** Before freezing temperatures, drain all water from the pump, filter tank, and hoses. Store the pump and MPV in a dry, protected area. Remove the sand from the tank or ensure it is completely dry.

6. TROUBLESHOOTING

Refer to the table below for common issues and their solutions.

Problem	Possible Cause	Solution
Pump not starting	No power; tripped GFCI; motor overload.	Check power connection; reset GFCI; allow motor to cool and reset.
Low water flow / Low pressure	Clogged pre-filter basket; dirty sand filter; air leak in suction line; low water level in pool.	Clean pre-filter basket; backwash filter; check all connections for leaks; add water to pool.
Cloudy pool water	Insufficient filtration time; dirty sand filter; improper chemical balance.	Increase filtration time; backwash/rinse filter; test and adjust pool chemicals.

Problem	Possible Cause	Solution
Water leaking from pump/filter	Loose connections; damaged O-rings/gaskets; cracked housing.	Tighten connections; inspect and replace O-rings/gaskets; contact customer support for cracked components.

7. SPECIFICATIONS

Key technical specifications for the Intex 28646-56674 Sand Filter Pump.

Brand	Intex
Model Number	28646-56674
Material Type	Stainless Steel
Power Source	Corded Electric
Voltage	230 Volts (AC)
Color	Grey
ASIN	B00BIZSXBO
First Available Date	February 20, 2013

8. WARRANTY INFORMATION

This Intex product is manufactured with the highest quality materials and workmanship. All Intex products have been inspected and found free of defects prior to leaving the factory. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Intex website. Keep your original purchase receipt as proof of purchase.

9. CUSTOMER SUPPORT

For further assistance, technical support, or to order replacement parts, please contact Intex customer service. Contact information can typically be found on the product packaging or the official Intex website. When contacting support, please have your product model number (28646-56674) and ASIN (B00BIZSXBO) ready.

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