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› Intex 55227 Krystal Clear Sand Filter Pump 10,500 L/H Instruction Manual

Intex 55227



Intex 55227 Krystal Clear Sand Filter Pump 10,500 L/H Instruction Manual

Model: 55227

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1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Intex 55227 Krystal Clear Sand Filter Pump. This sand filter system is designed to keep your above-ground pool water clean and clear by filtering out debris and impurities. It features a powerful filtration capacity of 10,500 liters per hour and is suitable for pools up to 57,500 liters. The integrated Hydro Aeration System enhances water circulation and filtration.



Figure 1: Intex Krystal Clear Sand Filter Pump 55227. This image shows the complete sand filter pump unit, highlighting its compact design and key components.

2. SAFETY INFORMATION

Important Safety Instructions:

- Always ensure adult supervision when children are near the pool and filter system.
- Read and understand all instructions before installing and using this product.
- Disconnect the power supply before performing any maintenance or cleaning.
- Ensure the filter pump is placed on a stable, level surface.
- Do not operate the pump if the power cord or plug is damaged.
- This appliance operates on 220 Volts AC/DC. Ensure your power supply matches this requirement.
- Keep all electrical connections dry and away from water.

3. PACKAGE CONTENTS

Verify that all components are present before beginning assembly:

- Sand Filter Pump Unit (Motor and Filter Tank)
- Multi-port Valve (6 functions)
- Pressure Gauge
- Hoses (38 mm diameter)
- Hose Clamps
- Base for pump and filter tank
- Pre-filter basket
- Power Cord
- Instruction Manual

Note: Filter media (silica sand, glass sand, or filter balls) and 32mm to 38mm B adapters (if needed for your pool connections) are **not included** and must be purchased separately. This model requires approximately 35 kg of #20 silica sand or 25 kg of glass sand (0.45 mm to 0.85 mm particle size) or 1 kg of filter balls.

4. SETUP AND INSTALLATION

Follow these steps for proper installation of your sand filter pump:

1. **Placement:** Position the sand filter pump on a firm, level surface near your pool. Ensure it is at least 2 meters (6.5 feet) away from the pool and protected from direct sunlight and rain.
2. **Assemble Base:** Securely attach the pump and filter tank to the provided base according to the diagrams in the full manual.
3. **Add Filter Media:** Remove the multi-port valve from the top of the filter tank. Carefully pour the recommended amount of filter media (sand, glass sand, or filter balls) into the tank. Ensure the standpipe is centered during this process.
4. **Install Multi-port Valve:** Reattach the multi-port valve to the filter tank, ensuring a tight seal.
5. **Connect Hoses:**
 - Connect the 38mm hoses from the pump to the pool's inlet and outlet connections.
 - If your pool has 32mm connections, you will need to use two Type B adapters (sold separately) to ensure proper fit.
 - Secure all hose connections with the provided clamps to prevent leaks.
6. **Initial Priming:** Before plugging in, ensure the filter tank is filled with water and all air is purged from the system. Refer to the detailed instructions in the full manual for priming procedures.



Figure 2: A person connecting hoses to the Intex Sand Filter Pump. This image illustrates the connection process of the filter pump to an above-ground pool.

Installation Overview Video

Your browser does not support the video tag.

Video 1: Close-up video demonstrating the assembly and connection of the Intex Sand Filter Pump components. This video provides a visual guide to help with the initial setup.

5. OPERATION

The Intex 55227 Sand Filter Pump features a digital control panel and a 6-function multi-port valve for various operating modes:

Multi-Port Valve Functions:

- **Filter:** Normal filtering mode. Water is pumped through the sand bed, filtered, and returned to the pool.
- **Backwash:** Reverses water flow to clean the sand bed. This flushes accumulated debris out through the waste port.

- **Rinse:** Used after backwashing to settle the sand bed and flush any remaining dirty water to waste.
- **Waste:** Bypasses the filter and pumps water directly out of the pool to waste. Useful for vacuuming heavy debris or lowering pool water level.
- **Recirculate:** Circulates pool water without filtering it. Useful for mixing chemicals.
- **Closed:** Shuts off all flow to the filter. Use this setting when performing maintenance on the pump or filter.

Digital Panel Features:

- **Automatic Daily Programming:** Set the pump to operate for cycles of 1 to 12 hours daily.
- **Lock/Unlock Function:** Prevents accidental changes to settings.
- **Pre-filter:** The external pre-filter collects larger debris before it reaches the sand, protecting the pump and extending filter media life.

Always ensure the pump is off before changing the multi-port valve setting to prevent damage.

6. MAINTENANCE

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

- **Backwashing:** Perform backwashing when the pressure gauge indicates a higher-than-normal reading (typically 5-10 PSI above the clean operating pressure) or when water flow decreases. This cleans the sand bed.
- **Rinsing:** Always rinse the filter after backwashing to ensure no dirty water is returned to the pool.
- **Pre-filter Cleaning:** Periodically check and clean the pre-filter basket to remove trapped debris.
- **Filter Media Replacement:** Sand filter media typically lasts 3-5 years, while glass sand can last longer. Replace according to manufacturer recommendations or when filtration efficiency significantly drops.
- **Winterization:** Follow the detailed winterization instructions in the full manual to protect your pump from freezing temperatures.

7. SPECIFICATIONS

Model Number	55227
Filtration Capacity	10,500 L/H (2150 Liters per minute)
Pool Volume Compatibility	Up to 57,500 Liters
Motor Power	0.60 HP
Voltage	220 Volts AC/DC
Hose Diameter	38 mm (1.5 inches)
Tank Diameter	36 cm
Sand Capacity	35 kg Silica Sand #20 or 25 kg Glass Sand (0.45-0.85 mm) or 1 kg Filter Balls
Maximum Lift Height	314.96 Inches
Country of Origin	China

8. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please refer to the official Intex website or contact Intex customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.