

Intex SX2100

Intex Krystal Clear Sand Filter Pump User Manual

Model: SX2100 (26645EG)

Brand: Intex

INTRODUCTION AND OVERVIEW

The Intex Krystal Clear Sand Filter Pump, model SX2100, is designed to provide superior water circulation and filtration for above ground pools. Utilizing Hydro Aeration Technology, this system enhances water clarity and freshness by improving aeration and increasing negative ions at the water surface. It is a robust and efficient solution for maintaining clean and healthy pool water.

This manual provides essential information for the safe and effective operation, installation, and maintenance of your sand filter pump.

PRODUCT FEATURES

- **Hydro Aeration Technology:** Improves circulation, filtration, water clarity, and increases negative ions at the water surface.
- **Easy Installation:** Designed for straightforward setup, requiring only hose connections and power plug-in.
- **Built-in 24-Hour Timer:** Features pre-set cycles from 2 to 12 hours for automatic operation, simplifying pool maintenance.
- **High Pump Flow Rate:** Delivers 2,100 GPH (7,949 LPH) at the pump and 1,600 GPH (6,056 LPH) system flow rate, suitable for pools up to 12,800 gallons.
- **Durable Construction:** Manufactured with high standards for safety, quality, and value, ensuring longevity.



Image: The Intex Krystal Clear Sand Filter Pump, showing the main unit with the sand tank, pump motor, and multi-port valve.

SETUP AND INSTALLATION

The Intex Krystal Clear Sand Filter Pump is designed for easy setup. Follow these general steps for installation:

1. **Placement:** Position the pump on a firm, level surface, at least 10 feet (3 meters) from the pool. Ensure it is protected from direct sunlight and adverse weather conditions.
2. **Sand Filling:** Carefully fill the sand tank with the recommended amount and type of filter sand (50 lb (23 kg) #20 Silica). Refer to the detailed user guide for specific instructions on filling and leveling the sand.
3. **Hose Connections:** Connect the hoses from the pool's inlet and outlet fittings to the corresponding ports on the pump. Ensure all connections are secure and leak-free.
4. **Power Connection:** Plug the pump into a grounded electrical outlet with GFCI protection. Do not operate the pump

without water.

5. **Priming:** Before starting, ensure the pump is primed according to the user guide to remove any air from the system.

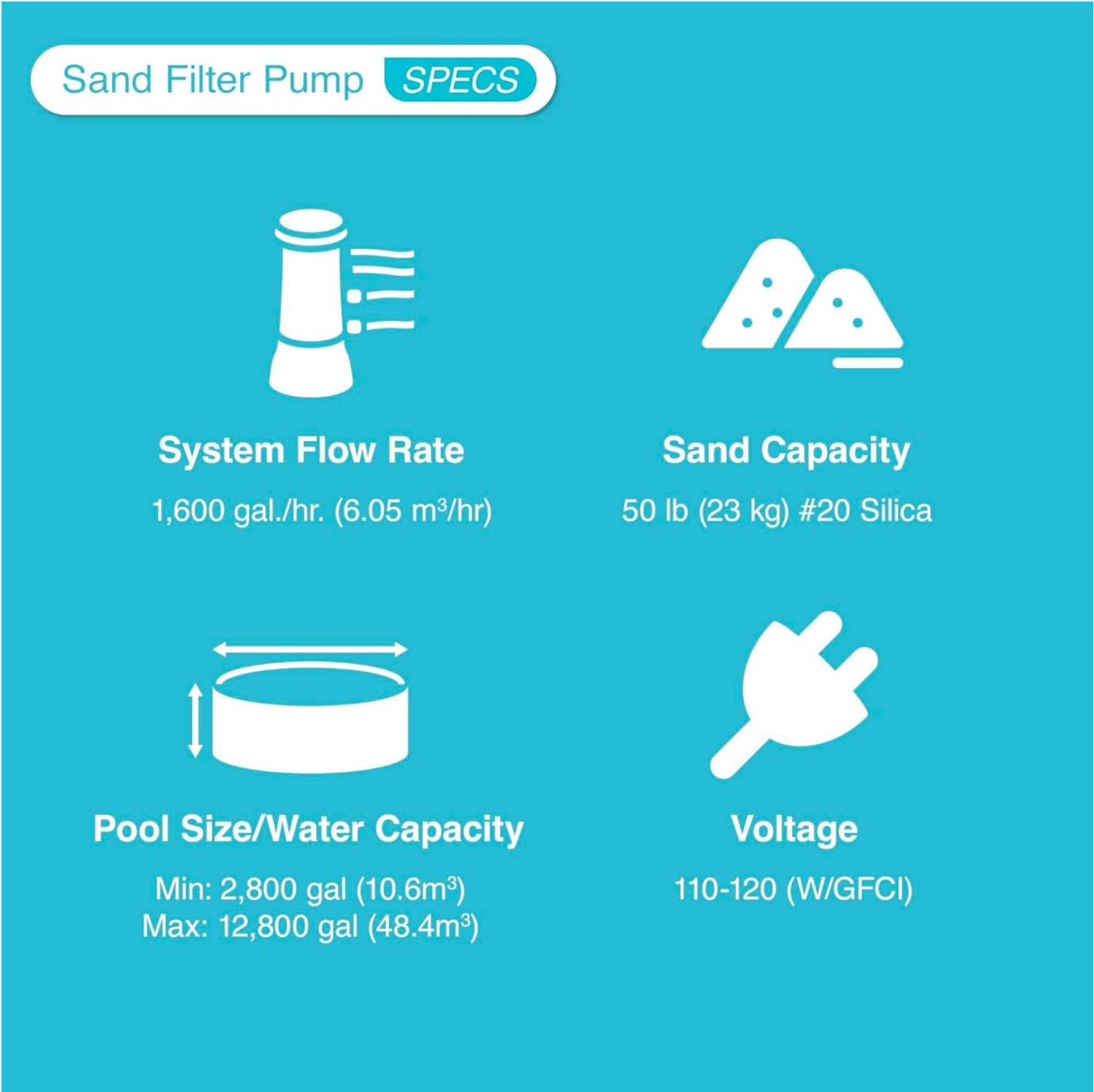


Image: Diagram illustrating key specifications of the sand filter pump, including system flow rate, sand capacity, pool size compatibility, and voltage.

Sand Filter Pump

FEATURES



Built-in Timer/Control Panel



Pressure Gauge



6 Functions

**Filtration, circulation, backwash,
drain, rinse and close the system**



Strainer Basket

Image: Visual representation of the sand filter pump's features, including the built-in timer/control panel, pressure gauge, 6 functions, and strainer basket.

OPERATING INSTRUCTIONS

The sand filter pump features a multi-port valve with several functions to manage your pool water. Always turn off the pump before changing the valve position.

- **Filter:** This is the standard operating mode for daily filtration. Water is pumped through the sand bed, trapping debris, and returned to the pool.
- **Backwash:** Used to clean the sand filter. Water flows in reverse through the sand bed, dislodging trapped debris, and is discharged through the waste port. Perform backwash when the pressure gauge indicates a higher than normal reading (typically 5-10 PSI above starting pressure).

- **Rinse:** After backwashing, this mode is used to settle the sand bed and flush any remaining dirty water to waste before returning to filter mode.
- **Recirculate:** Water is circulated through the pump and returned to the pool without passing through the sand filter. Useful for distributing chemicals or when filtration is not needed.
- **Drain:** Used to drain water directly from the pool through the waste port, bypassing the filter.
- **Closed:** Shuts off all flow to the filter and pool. Use this setting when performing maintenance on the pump or pool.

The built-in 24-hour timer allows you to set automatic operating cycles from 2 to 12 hours. Consult the user guide for detailed instructions on setting the timer and specific operating procedures for each function.



Water inlet jets for enhanced water flow
back into the pool.

Image: The Intex Krystal Clear Sand Filter Pump, highlighting its compatibility with various Intex pools and ease of installation.



Image: Close-up of the Hydro Aeration Technology water inlet jet, showing enhanced water flow back into the pool.

MAINTENANCE

Regular maintenance is crucial for the longevity and optimal performance of your sand filter pump. Key maintenance tasks include:

- **Backwashing:** Perform backwash regularly, typically when the pressure gauge reads 5-10 PSI above its clean operating pressure, or when water flow decreases noticeably. This removes trapped debris from the sand.
- **Rinsing:** Always follow backwashing with a rinse cycle to settle the sand and prevent dirty water from returning to the pool.
- **Sand Replacement:** Filter sand typically needs replacement every 5 years, depending on usage and water quality. Refer to the user guide for detailed instructions on sand replacement.
- **Strainer Basket Cleaning:** Periodically check and clean the strainer basket located before the pump impeller to remove large debris and ensure unrestricted water flow.
- **Winterization:** Properly winterize the pump at the end of the swimming season to prevent damage from freezing temperatures. This involves draining all water from the pump and filter, and storing components in a dry, protected area.

KRYSTAL CLEAR Sand Filter Pump



Image: A woman operating the Intex Krystal Clear Sand Filter Pump next to an above-ground pool, demonstrating typical usage.



Image: A diagram illustrating advanced water circulation patterns within a pool, indicating improved water movement.

TROUBLESHOOTING

If you encounter issues with your Intex Krystal Clear Sand Filter Pump, refer to the following common troubleshooting tips. For more detailed solutions, consult the full user manual.

Problem	Possible Cause	Solution
Low Water Flow / Poor Filtration	Clogged strainer basket Dirty filter sand (needs backwash) Air in the system Incorrect valve setting	Clean strainer basket. Perform backwash and rinse cycle. Bleed air from the system (refer to user guide for priming). Ensure valve is set to "Filter".

Problem	Possible Cause	Solution
Pump Not Starting	No power GFCI tripped Motor overheating	Check power connection and outlet. Reset GFCI. Allow motor to cool down; ensure proper ventilation.
Water Leaks	Loose connections Damaged O-rings/gaskets	Tighten all hose clamps and fittings. Inspect and replace any worn or damaged O-rings/gaskets.

SPECIFICATIONS

Attribute	Detail
Brand	Intex
Model Number	26645EG (SX2100)
Color	Grey
Material	Plastic
Product Dimensions (L x W x H)	22.25" x 15.38" x 23.25"
Power Source	Corded Electric
Item Weight	36 Pounds
Maximum Flow Rate	7949 Liters Per Hour (2100 GPH)
System Flow Rate (In Pool)	1600 GPH (6056 LPH)
Voltage	120 Volts
Wattage	120 watts
Sand Capacity	50 lb (23 kg) #20 Silica
Suitable Pool Size	Up to 12,800 gallons

WARRANTY AND SUPPORT



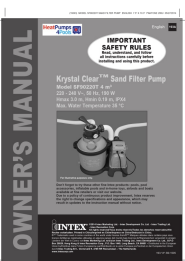
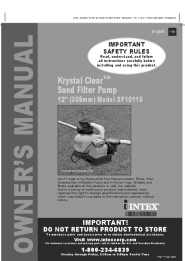


The Intex Krystal Clear Sand Filter Pump comes with a**2-year manufacturer's warranty**. Please retain your proof of purchase for warranty claims.

For comprehensive instructions, safety warnings, and detailed troubleshooting, please refer to the official user guide: [Download User Manual \(PDF\)](#)

For additional support or inquiries, please visit the official Intex website or contact their customer service.



Related Documents - SX2100

	<p>Intex Krystal Clear Sand Filter Pump SF90110-1 Owner's Manual</p> <p>Comprehensive owner's manual for the Intex Krystal Clear Sand Filter Pump, Model SF90110-1. Includes setup instructions, operating procedures, maintenance tips, troubleshooting guide, and safety information for above-ground swimming pools.</p>
	<p>Intex Krystal Clear Sand Filter Pump Owner's Manual Models SX2100, SX2800, SX3000</p> <p>Comprehensive owner's manual for Intex Krystal Clear Sand Filter Pumps (SX2100, SX2800, SX3000). Includes detailed setup, operating, maintenance, troubleshooting, and safety instructions for optimal pool filtration.</p>
	<p>Intex Krystal Clear Sand Filter Pump SF90220T Owner's Manual</p> <p>Comprehensive owner's manual for the Intex Krystal Clear Sand Filter Pump, Model SF90220T. Includes safety rules, parts reference, setup instructions, operating procedures, maintenance, troubleshooting, and warranty information.</p>
	<p>Intex SF10110 Krystal Clear Sand Filter Pump Owner's Manual</p> <p>Comprehensive owner's manual for the Intex SF10110 Krystal Clear Sand Filter Pump, detailing safety rules, setup instructions, operating procedures, maintenance, troubleshooting, and product specifications for optimal pool care.</p>
	<p>Intex Krystal Clear SX 1500 Sand Filter Pump Manual & Installation Guide</p> <p>Comprehensive user manual and installation guide for the Intex Krystal Clear SX 1500 Sand Filter Pump (Model SF90220-2). Learn about safe installation, operation, maintenance, troubleshooting, and warranty information.</p>
	<p>Intex Krystal Clear 634T Filter Pump Owner's Manual</p> <p>This manual provides comprehensive instructions for the Intex Krystal Clear 634T Filter Pump, covering setup, operation, maintenance, troubleshooting, and safety guidelines for above-ground pools. Learn how to properly install, use, and care for your pool filter pump.</p>

