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Intex 28635EG

Intex SX3000 Krystal Clear Sand Filter Pump User Manual

Model: 28635EG

1. IMPORTANT SAFETY INSTRUCTIONS

Please read, understand, and follow all instructions carefully before installing and using this product. Keep this manual for future reference.

- **Electrical Safety:** Always disconnect the power cord from the electrical outlet before performing any maintenance or servicing. Ensure the pump is connected to a grounded outlet protected by a Ground Fault Circuit Interrupter (GFCI).
- **Water Safety:** Never operate the pump when people are in the pool. Ensure all connections are secure to prevent leaks.
- **Children:** This appliance can be used by children aged 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.
- **Placement:** Position the pump on a firm, level surface, elevated to prevent water damage. Do not bury the power cord.
- **Chemicals:** Handle pool chemicals with care and follow manufacturer's instructions.

2. PRODUCT OVERVIEW

The Intex SX3000 Krystal Clear Sand Filter Pump is designed to provide efficient and reliable filtration for above-ground pools. It features HydroAeration Technology for improved water quality and a built-in timer for automated operation.



Figure 2.1: Intex Krystal Clear Sand Filter Pump SX3000

Key Features:

- **HydroAeration Technology:** Enhances water circulation, filtration, and clarity while increasing negative ions.
- **Easy Installation:** Designed for straightforward setup with minimal assembly.
- **24-Hour Timer:** Built-in timer with 2 to 12-hour preset cycles for automatic operation.
- **3000 GPH Pump Flow Rate:** Provides a powerful flow rate for effective cleaning of pools up to 19,600 gallons.
- **Deluxe Wall Mount Surface Skimmer:** Automatically collects leaves and debris from the water surface.

Sand Filter Pump *FEATURES*



Built-in Timer/Control Panel



Pressure Gauge



6 Functions

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



Strainer Basket

Figure 2.2: Visual representation of the sand filter pump's key features including the built-in timer, pressure gauge, 6-function valve, and strainer basket.

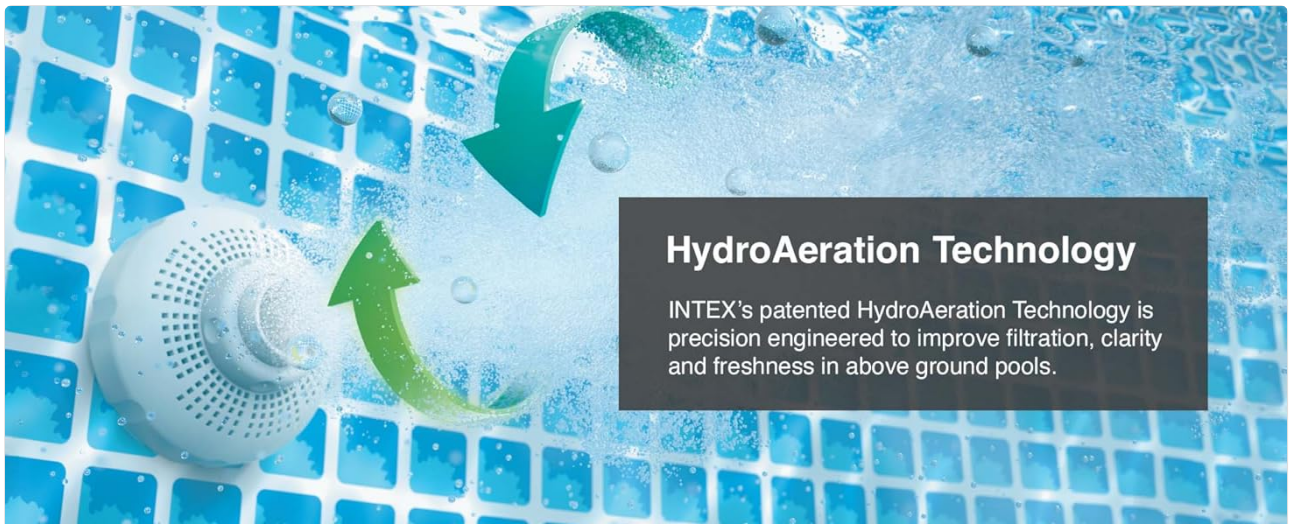


Figure 2.3: Explanation of Intex's patented HydroAeration Technology for improved filtration, clarity, and freshness in above-ground pools.

3. SETUP AND INSTALLATION

Follow these steps to properly set up your Intex SX3000 Sand Filter Pump. Refer to the video for a visual guide.

Your browser does not support the video tag.

Video 3.1: Detailed guide on unboxing, assembling, and connecting the Intex Krystal Clear Sand Filter Pump to an above-ground pool, including sand filling and hose connections.

1. **Unpack Components:** Carefully remove all parts from the packaging. Ensure all components listed in the manual are present.
2. **Assemble Filter Tank:** Insert the bottom filter components and tubing into the filter tank as shown in the video. Secure the top part of the filter tank.
3. **Prepare Pump Motor:** Remove any protective tapes or stickers from the pump motor's inlet/outlet ports. Ensure O-rings are correctly seated.
4. **Connect to Pool:** Before connecting, ensure the pool's inlet and outlet ports are capped or closed to prevent water loss. Replace the standard pool inlet/outlet fittings with the provided larger fittings for optimal flow.
5. **Position Pump:** Place the pump on a stable, level surface, ideally elevated slightly to prevent water accumulation around the motor. Bricks or a dedicated pump pad can be used.
6. **Fill with Sand:** Carefully pour the recommended amount of #20 silica sand (approximately 120 lbs or 55 kg) into the filter tank. Avoid getting sand into the central pipe.
7. **Connect Hoses:** Connect the hoses from the pump to the filter tank and from the filter tank to the pool's inlet/outlet ports. Ensure all connections are tight and secure to prevent leaks. Use Hose Adapter A w/Collar if your pool requires it.
8. **Prime the Pump:** Before starting, ensure the filter tank is filled with water. Open the air release valve on top of the pump to allow air to escape until a steady stream of water emerges.

Automatic Pool Skimmer *FEATURES*



**Easy-to-clean
Strainer Basket**



**Durable Polypropylene
Plastic Construction**



Adjustable Bracket

Figure 3.1: Proper placement and connection of the sand filter pump to an above-ground pool.



Easy Connection

This filter pump system comes with two 1.5" connector hoses and a HydroAeration Technology inlet fitting for simple connection.

Figure 3.2: The filter pump system includes two 1.5" connector hoses and a HydroAeration Technology inlet fitting for simple connection.

4. OPERATION

The multi-port valve on top of the filter tank allows you to select different operating modes. Always turn off the pump before changing valve settings.

1. **Filter (Normal Operation):** This setting is used for daily filtering of pool water. Water flows through the sand, trapping debris, and returns to the pool.
2. **Backwash:** Used to clean the sand filter. Water flows in reverse through the sand, flushing trapped debris out through the waste port. Perform backwash when the pressure gauge indicates a high reading (typically in the red zone).
3. **Rinse:** After backwashing, use this setting to rinse the sand and settle the sand bed before returning to filter mode. Water flows through the sand and out the waste port.
4. **Waste:** Bypasses the filter and sends water directly out the waste port. Useful for quickly lowering pool water level or vacuuming heavy debris directly to waste.
5. **Recirculate:** Circulates pool water without passing it through the filter. Useful for distributing chemicals without filtering.
6. **Closed:** Shuts off all flow to the filter. Use this setting when performing maintenance on the pump or filter.

24-Hour Timer: Use the built-in timer to set automatic operating cycles. Refer to the pump's control panel for specific timer programming instructions.

5. MAINTENANCE

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

- **Backwash and Rinse:** Perform backwashing and rinsing regularly, typically once a week or when the pressure gauge indicates a rise of 3-5 PSI above the clean operating pressure.
- **Clean Strainer Basket:** Periodically check and clean the strainer basket located in the pump motor. Turn off the pump, close valves, and remove the lid to access the basket.
- **Sand Replacement:** The filter sand should be replaced approximately every 5 years, depending on usage and water quality.
- **Winterization:** At the end of the swimming season, drain all water from the pump, filter tank, and hoses. Store components in a dry, frost-free area.



Figure 5.1: Regularly clean the strainer basket to ensure efficient pump operation.

Automatic Pool Skimmer **SPECS**



Filtration Pump
Required Minimum flow
rate 800 gal/h



Compatibility
Easily mounts to Easy Set or
Metal Frame Pool sidewalls



Automatic Skimming
Catches leaves and other debris
before they sink to the bottom
of the pool

INTEX[®]

Figure 5.2: The automatic pool skimmer features an easy-to-clean strainer basket and durable polypropylene plastic construction with an adjustable bracket.

6. TROUBLESHOOTING

If you encounter issues with your sand filter pump, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Low water flow	Clogged strainer basket, dirty sand filter, air in the system, closed valves.	Clean strainer basket, backwash/rinse filter, release air from pump, open all valves.
Water leaking from connections	Loose connections, damaged O-rings or gaskets.	Tighten all connections, inspect and replace damaged O-rings/gaskets.

Problem	Possible Cause	Solution
Cloudy pool water	Insufficient filtration time, dirty filter sand, improper chemical balance.	Increase filtration time, backwash/rinse filter, check and adjust pool chemical levels.
Pump not starting	No power, tripped GFCI, motor malfunction.	Check power supply, reset GFCI, contact customer support if motor issue persists.

7. SPECIFICATIONS

Detailed technical specifications for the Intex SX3000 Krystal Clear Sand Filter Pump.

Brand: Intex

Model Number: 28635EG

Material: Plastic, Polypropylene (PP)

Style: Above Ground

Power Source: Corded Electric

Pump Flow Rate (Pump Capacity): 3,000 GPH (11,356 LPH)

System Flow Rate (In Pool): 2,450 GPH (9,274 LPH)

Maximum Flow Rate: 50 Gallons Per Minute

Sand Capacity: 120 lb (55 kg) #20 Silica

Pool Size/Water Capacity: Minimum 5,500 gal (20.8m³), Maximum 19,600 gal (74.2m³)

Voltage: 110-120 V (with GFCI)

INTEX®

Sand Filter Pump **SX3000**

Keep Water Sparkling Clear

- ✓ **Compatible with:**
Most above ground pools up to 19,600 gal.
- ✓ **Easy Installation:**
Simply hook up hoses and plug in.
- ✓ **Cost-efficient filter**
No maintenance required except replacement of sand every 5 years
- ✓ **Sand Capacity:**
120 lb (55 kg) #20 Silica



Figure 7.1: Key specifications for the Intex Sand Filter Pump, including system flow rate, sand capacity, pool size, and voltage.

Deluxe Wall Mount Surface Skimmer



Figure 7.2: Specifications for the automatic pool skimmer, including minimum filtration pump flow rate and compatibility with Easy Set or Metal Frame Pool sidewalls.

8. WARRANTY AND SUPPORT

Intex products are manufactured to the highest quality standards. For warranty information, technical support, or to purchase replacement parts, please refer to the contact information provided in your product packaging or visit the official Intex website.

Keep your original purchase receipt as proof of purchase may be required for warranty claims.

