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Setting timer on intex pool pump

****Assembly Instructions and Parts Reference**** Before assembling your Intex Krystal Clear SX2800/SX3000/QX2600/QX2100 filter pump, take a few minutes to review the contents and familiarize yourself with all the parts. The drawings provided are for illustration purposes only and may not accurately represent the actual product. ****Not Required for Assembly:**** No tools are needed for assembly. ****Ordering Parts:**** If this pump was not purchased as part of a pool set, you can order the necessary parts at www.intexcorp.com. When ordering, please quote the model number and part numbers. ****Parts List:**** The following parts are included with the pool package: * Pressure gauge (11411/11224/11224) * 6-way valve (11378/11496/11496) * Drain outlet cover (1131/11131/11131) * Clamp (11380/11380/11380) * Tank O-ring (11379/11379/11379) * Sand shield (11382/11382/11382) Please note that some parts may have multiple part numbers, which refer to the same item. ****Additional Parts:**** For pool outlet setup, you will need: * Strainer grid * Plunger valve * Strainer nut * Flat strainer rubber washer * Threaded strainer connector These parts can be ordered at www.intexcorp.com. Please verify that the part numbers match your pump's specifications. To install the plunger valve, follow these steps: Remove the threaded strainer connector (26) by turning it counter-clockwise, taking care not to lose the step rubber washer (23). Place the plunger valve on a flat surface. Remove the strainer nut (24) from the threaded connector (26), leaving the flat washer (25) in place. Install the strainer and plunger valve at the lower pool outlet position marked "+". Insert the threaded connector (26) into a pre-cut hole, ensuring the washer is against the liner wall. Before assembly, apply petroleum jelly to the threads. With the flat side of the strainer nut facing outdoors, screw it back onto the threaded connector in a clockwise motion, and finger tighten. Make sure the step washer (23) is in place before securing the plunger valve union. Close the plunger valve handle in a clockwise motion, ensuring a secure closure to prevent water flow during filling. For the optional nozzle setup: Remove the plunger valve union from the inlet air connector (42), taking care not to lose the step rubber washer (23). Place the plunger valve on a flat surface. Remove the strainer nut (24) from the inlet threaded air connector, leaving the flat washer (25) in place. Install the nozzle and plunger valve at the upper pool inlet position. Insert the nozzle union into a pre-cut hole, ensuring the washer is against the liner wall. Apply petroleum jelly to the threads before assembly. Screw the strainer nut back onto the inlet threaded air connector in a clockwise motion, and finger tighten. Secure the adjustable jet nozzle and strainer nut. Close the plunger valve handle in a clockwise motion, ensuring secure closure to prevent water flow during filling. Note: Ensure the air jet valve is securely tightened and facing upwards. Above Ground Pool Filter Set Instructions Consult the owner's manual for filling instructions on how to fill the pool liner with water. Important: Do not cover the air jet valve (39) with the valve cap (44) when operating the pump. Refer to the Troubleshooting Guide section for more details. The sand filter removes suspended particles but does not sanitize your pool. It's recommended to consult a local pool service specialist for guidance on pool chemistry. Certified Models: SF80110-2, SF70110-2, and SF60110-2 Power: 110-120 Volt AC Dimensions: - Effective filtering area: 0.07 m² (0.79 ft²) for model SF80110-2 - Effective filtering area: 0.1 m² (1.07 ft²) for model SF70110-2 - Effective filtering area: 0.13 m² (1.44 ft²) for model SF60110-2 Max Flow Rate: - Model SF80110-2: 6055 LPH (1600 GPH) - Model SF70110-2: 6140 LPH (2150 GPH) - Model SF60110-2: 9275 LPH (2450 GPH) Recommended filtering media quantity: - No. 20 silica sand: 23 Kg (50 Lbs) for model SF80110-2, 35 Kg (77 Lbs) for model SF70110-2, and 55 Kg (120 Lbs) for model SF60110-2 - Glass sand: 16 Kg (35 Lbs) for model SF80110-2, 25 Kg (55 Lbs) for model SF70110-2, and 38 Kg (85 Lbs) for model SF60110-2 Setup Requirements: The system must be installed on a solid level and vibration-free base. Ensure adequate access, space, and lighting for routine maintenance. Tools Required: One (1) Phillips screwdriver Pump location and mounting: The pump motor requires free circulation of air for cooling. Do not install the pump in a damp or non-ventilated location. Motor pre-filtering assembly setup: Remove the sand filter and its accessories from the packaging carefully, then follow the instructions to connect the pre-filter housing to the motor water inlet. Sand tank installation: Place the tank support base at the selected location, then place the tank on the tank support base. Connect the motor pre-filtering assembly unit to the tank support base, ensuring the pre-filter housing water inlet hose connection is facing towards the pool. Note: Some countries require the product to be secured to the ground or a base in a permanent upright position. Check with local authorities to determine if there are any regulations in your area. The product can be mounted on a cement base or wooden platform with two mounting holes, spaced 210mm apart for model SF80110-2. Use two bolts and lock nuts up to 6.4mm in diameter. Sand loading is recommended using No. 20 silica sand with particle size range 0.45-0.85mm. Before loading the tank with sand, ensure the center pipe hub assembly is secure at the bottom of the tank. Pour sand into the tank slowly, filling it approximately half way, then evenly distribute and add water to prevent shock on the center pipe hub. Install the 6-way valve over the tank slowly, ensuring the bypass pipe fits securely into the center pipe hub top opening. Ensure hose connection ports are facing the correct direction for the filter outlet and motor inlet. Position this product away from the pool to prevent children from accessing it. Connect hoses securely tightened, using a proper draining receptacle for the third hose connection port on the 6-way valve. First, ensure that the drain cap is removed before attaching the drain hose or pipe to the sand filter pump. This prepares the pump for filtering the pool water. For pools with dual suction outlets, comply with local regulations by connecting the hose securely with a large hose clamp for non-INTEX pools and ensuring the air jet valve is tightened correctly for INTEX pools. Operating instructions require connection to a grounding type receptacle protected by a ground-fault circuit interrupter (GFCI) or residual current device (RCD). Consult a qualified electrician if you're unsure about GFCI/RCD protection. Avoid using extension cords, timers, or converters when connecting the unit to an electric supply. To prevent hazardous pressure buildup and ensure safe operation: - Never operate above the maximum working pressure stated on the filter tank. - Switch off the pump before changing the 6-way valve position. - Refrain from testing with compressed air. - Keep water temperature below 35°C (95°F). The 6-way valve controls different functions, including filtration, backwashing, rinsing, and waste management. Each position has a specific function: - FILTER: Normal filtration for regular vacuuming - BACKWASH: Reverses flow to clean the filter media - RINSE: Initial startup cleaning of the sand and leveling the sand bed after backwashing - WASTE: Directly vacuums water to waste or lowers pool level - RECIRCULATE: Circulates water back to the pool without filtration - CLOSED: Shuts off all flow to the filter and pool The pump is currently operating continuously (FP). Initial setup requirements include: - All hoses securely connected and tightened. - The filter control valve closed. - Proper grounding system in place (GFCI or RCD). - 6-way valve handle depressurized before changing position. - Pump switched off during valve changes. - 6-way valve positioned to 'BACKWASH' mode, ensuring proper drainage. - Backwash until clear water flow is observed in the waste/drain outlet or sediment window. - System reset to normal filtering mode upon completion of backwash and initial pressure gauge reading recorded. If sand media gets blocked, pressure will rise and flow will decrease. No vacuuming device should be attached if pressure gauge shows yellow zone - It's time to backwash the filter, see startup instructions for more info. A vacuuming device like Intex auto pool cleaner can also cause decreased flow and rising pressure; remove it and check if pressure drops to green zone. Monitor pressure gauge and ensure inlet/outlet openings are clear each week. If pressure gauge is yellow, it's time to backwash the filter media. To run sand filter pump in 'FILTER' mode with TIMER control: activate unit, set desired operating hours (see table for required hours), press button until beep sounds, and lock keypad controls to prevent unauthorized changes. The system will automatically start working after 10 seconds if keypad is not locked. Operating hours can be adjusted as needed by unlocking keypad and re-setting time. When cycle ends, the system enters Stand-By mode, then Power Saving mode after 5 minutes; it will turn back on in 24 hours. While in Power Saving mode, pressing any button will display programmed time briefly before showing "00". To view TIMER preset hours, press button while pump is running to see brief flash of preset hours and remaining operating time. To run sand filter pump manually without TIMER: press button to turn on pump, then press again until LED shows "FP", indicating TIMER is off and pump is now continuous. Press button again to stop the pump. ****Operating Time Requirements for Above Ground Pools Without InTex Saltwater System**** The following table shows the recommended operating time for sand filter pumps in above ground pools with varying water capacities. If you're using an Intex Saltwater System, the pump's running time should be longer than the system's required operating time. ****Pool Sizes and Operating Times**** | Pool Size | Water Capacity (Liters) | Sand Filter Pump Operation Time (Hours) | |---|---|---| | Easy Set & Oval Pools | 9792-14141 | 2-4 | | Round Metal Frame Pools | 12422-24311 | 2-6 | | Ultra Frame Pools | 19156-39637 | 4-7 | | Graphite Gray Panel Pool Sets | 16805-26423 | 3-5 ****Note:**** The timer setting is 10 minutes longer than the actual operating time. To operate your sand filter pump, follow these steps: 1. Switch off the filter pump. 2. Disconnect the power cord from the electrical outlet. 3. Turn both plunger valve handles fully clockwise until they stop. Please note that this table only applies to pools without an Intex Saltwater System. If you're using such a system, refer to the manufacturer's instructions for specific operating time requirements. To maintain clear and hygienic water in your pool, follow these steps: First, release pressure by opening the sediment release valve on the lower side of the pre-filter housing. Then, remove the leaf trap cover, basket, and O-ring from the pre-filter housing. Empty and flush the basket with a garden hose to remove deposits. Clean and rinse the inside of the pre-filter housing and the leaf trap O-ring with a garden hose. Reinstall the leaf trap O-ring, basket, and leaf trap cover to the pre-filter housing. Next, ensure proper chemical control by consulting your pool supply dealer for instructions on using chlorine, algaecide, and other chemicals. Keep children away from chemicals and do not replenish them while the pool is occupied. Daily pH checking and chemical treatment are crucial for sparkling clear water. Consult your local swimming pool supply store for guidance on maintaining proper pH levels during filling and the season. However, note that chlorinated water may damage lawns, gardens, or shrubbery when children play in the pool and splash water outside. To prevent this, always follow the chemical manufacturer's directions and health warnings. For long-term storage or winterization, ensure the water is directed towards an acceptable drain water receptacle away from the house. Switch off the unit, disconnect power cords, and remove hoses from pumps and valves to thoroughly drain the tank. Outside, thoroughly air dry all components. Apply petroleum jelly to specific O-rings and washers (L-shape O-ring, Pump hose O-rings, Strainer valve assembly step washers, Flat strainer rubber washers) for long-term storage. Place the 6-way valve in the "N" position to allow water drainage. Store dry pieces, pump motor, and accessories in their original packaging. Avoid covering or wrapping the pump motor with plastic bags to prevent condensation or corrosion issues. Store everything in a controlled temperature range of 0°C (32°F) to 40°C (104°F). Troubleshooting Guide: * FILTER MOTOR FAILS TO START: Check if the motor is plugged in, and reset any tripped GFCI/RCD circuit breaker. If the problem persists, consult an electrician or let the motor cool down before restarting. * FILTER DOESN'T CLEAN POOL: Adjust chlorine and pH levels, load with filter sand, set valve to 'FILTER' position, and operate for longer periods. Clean the strainer screen at the inlet. * FILTER DOESN'T PUMP WATER OR FLOW IS VERY SLOW: Clear obstructions in the intake hose nuts, check hoses for damage, and adjust the pre-filtering basket's cleaning frequency. Backwash filter as needed. * PUMP DOESN'T WORK: Check water level, clean strainer screens at pool inlet, and tighten hose nuts. If issues persist, contact Intex service center. * 6-WAY VALVE/ COVER LEAKING: Inspect the sand tank O-ring for any damage or wear-out. Sand tank O-ring dirty; flange clamp not secure. 6-way valve damage reported. Ensure O-ring placement after removing cover, then clean with garden hose water and tighten securely. Contact Intex service center. Hose leakage likely due to loose or missing o-rings. Tighten/reinstall hose nut and ensure o-rings are in place and undamaged. Timer inaccuracies may stem from inner timer defects. Turn off pump, wait 5 minutes, then re-set timer. Contact Intex for assistance. Pressure gauge issues might be caused by clogged inlet or damage. Check obstructions and contact Intex if needed. Sand flowing back into pool may indicate small sand particles or calcified bed; use No. 20 silica sand with specific particle size range. Inlet threaded air connector/air jet valve leakage is likely due to poor plunger valve fit, loose air jet valve, or internal seal blockage. Tighten/reinstall valves and run pump for a few seconds before turning off. Repeat three times, then remove valve and flush dirt out with water. Small leaks from air jet valve during pumping may be caused by accessories attached to the circulation line; remove these accessories and place the air jet valve cap over the valve. Do not cover the valve under normal circumstances or when the pump is operating. Additional issues include greenish water (algae) requiring pH and chlorine adjustments, colored water due to copper, iron, or magnesium oxidation, cloudy or milky water caused by high pH levels, and chronic low water levels potentially stemming from liner or hose damage. Sediment on pool bottoms can be addressed using a vacuum cleaner, while surface debris may require further investigation. Water recreation brings joy and benefits but also comes with inherent risks, including injury and death. To minimize these risks, thoroughly read and follow all product warnings, instructions, and safety guidelines. Although these guidelines cover common hazards, they do not address all potential dangers. Familiarize yourself with additional safety measures by staying informed about general guidelines and those set by recognized organizations. Constant adult supervision is crucial, especially when children are near water. Acquire swimming skills and learn CPR and first aid. Ensure pool users know what to do in case of an emergency. Apply common sense and caution during any water activity. Supervision is key. For more information on safety, visit reputable sources such as the Association of Pool and Spa Professionals, American Academy of Pediatrics, Red Cross, Safe Kids, and Home Safety Council. Always heed instructions carefully before using this product, especially when children are present. Adults must supervise children at all times, keep them away from the product, electrical cord(s), and stay informed about potential hazards. Additionally, follow these guidelines to minimize risk: - Use only identical replacement parts if replacing the plug or cord. - Unplug the unit before maintenance, cleaning, or adjustments. - Test the ground-fault circuit interrupter (GFCI) regularly. - If the GFCI fails or shows signs of malfunction, have it corrected by a professional before use. When utilizing electrical equipment such as mowers or hedge trimmers, it's essential to exercise caution to avoid electric shock. Replace any damaged cords promptly and have a qualified electrician replace them if necessary. Avoid using extension cords, timers, plug adaptors, or converter plugs to connect the unit to the power supply; instead, ensure that a suitable outlet is provided. Refrain from plugging in or unplugging the product while standing in water or with wet hands, as this can significantly increase the risk of electric shock. It's also crucial to keep children away from electrical components and prevent them from accessing the pool by positioning the unit at a safe distance. Before connecting the device, verify that the local mains voltage matches the electrical parameters indicated on the product. To minimize entrapment hazards, never enter the pool if the suction strainer component is loose, broken, or missing; instead, replace it immediately. Additionally, avoid playing or swimming near suction fittings to prevent potential injuries or drowning due to trapped body parts or hair. Always turn off the pump before adjusting the filter control valve position and refrain from operating the device above its maximum working pressure. Improper tank valve cover assembly can lead to serious consequences such as property damage, injury, or death. This product is designed for storable pools only; avoid using it with permanently-installed pools. When installing a storable pool, ensure that it's at least 6 feet away from any electrical outlet to minimize the risk of electric shock. Portable appliances should be positioned at least 5 feet away from the pool. The provided warnings and safety guidelines are essential for users to follow to avoid potential risks associated with water recreation devices. Exercising common sense and good judgment when engaging in water activities is also crucial. Intex Pool Pump Timers: A Comprehensive Guide Intex pool pump timers are a crucial component in automating the filtration process, ensuring consistent water quality and reducing manual effort. There are two primary types of timers available for Intex pumps: digital and mechanical. Digital Timers Digital timers offer advanced control and convenience, making it easy to schedule and automate the filtration process. They feature a digital display that clearly shows the time, programmed settings, and remaining runtime. These timers typically offer various timer options, providing flexibility to customize pump operation based on your needs. Key features of digital Intex pool pump timers include: - Programmable run times: allowing you to control the duration of filtration cycles based on your pool's size and water quality - Multiple timer options: enabling customized filtration cycles that align with your pool usage patterns - Easy-to-read display: clearly showing the time, programmed settings, and remaining runtime Mechanical Timers Mechanical timers, also known as analog timers, use a rotating dial or a series of switches to set the pump's operation schedule. These timers are known for their durability and reliability, often being less susceptible to power fluctuations or electronic glitches. Key features of mechanical Intex pool pump timers include: - Manual adjustments: requiring you to adjust the desired runtime manually - Fewer timer options: typically offering fewer customization options compared to digital timers Choosing the Right Timer The choice between a digital or mechanical timer depends on individual preferences and specific needs. Digital timers offer greater flexibility and ease of use, while mechanical timers provide simplicity and durability. When selecting a timer for your Intex pool pump, consider factors such as budget, desired features, and the level of control you need. Intex pool pumps come with built-in displays that show essential info like current time, programmed settings, and remaining runtime. This allows users to easily monitor the pump's operation and stay on schedule. Once set up, digital timers can operate automatically, turning the pump on and off as needed, even when you're not around. Digital timers are popular among pool owners due to their advanced features and user-friendly interface. They offer efficient and automated control over the pump, making it easy to maintain clear and healthy water with minimal manual effort. For those who prefer a more traditional approach, mechanical timers use a clockwork mechanism to control the pump's on/off cycles. While they lack some of the advanced features of digital timers, mechanical timers are known for their durability and cost-effectiveness. Mechanical timers are relatively simple to use, requiring only basic time-setting options. They're often less prone to electronic issues and can withstand harsh weather conditions. However, their functionality is limited compared to digital timers, offering only basic on/off control without complex scheduling or customized run times. When setting up an Intex pool pump timer, it's essential to follow the manufacturer's instructions for your specific model. The process may vary depending on whether you have a digital or mechanical timer. To ensure your pool's optimal functioning, it is crucial to set up and operate the Intex Pool Pump Timer correctly. Firstly, align the time on the timer dial with the actual time to guarantee accurate reflection of the day's time. Choose the desired run time for your pump, which depends on the size of your pool and recommended filtration hours. Set the start and stop times by adjusting the timer dial. To set a digital timer, power it up by plugging it in and turning it on. The display should illuminate, showing the current time and settings. Access the timer menu by pressing the designated button, then navigate through options to adjust the time and run cycles as needed. Program the run time by choosing multiple cycles per day with customizable start and stop times for each cycle. Confirm and save your settings to ensure proper functioning of the pump. For optimal water quality, setting the timer correctly is essential. In case of issues with the timer, refer to the Intex pool pump timer manual for specific instructions and recommendations for your particular model. Troubleshoot common problems by checking if the timer is plugged into a working outlet, verifying the time settings, and adjusting the run time as necessary. If you encounter persistent issues, consult the manual or contact Intex customer support for assistance. Regularly inspect the pump motor, filter system, and power supply to prevent malfunctions and ensure smooth operation of your pool's equipment. Regular maintenance is crucial for your Intex pool pump timer to ensure its longevity and optimal performance. Gently clean the timer's exterior with a soft cloth to remove dust and debris, avoiding harsh chemicals or abrasive cleaners that could damage the surface. Inspect electrical contacts for corrosion or dirt buildup and clean them gently with a soft-bristled brush or a cotton swab dipped in rubbing alcohol. Disconnect the timer from power immediately if it has been exposed to water, allow it to dry completely before reconnecting, and avoid using the timer while it's wet. Regularly check and adjust the timer settings to ensure accuracy and meet your desired pump operation schedule. Check battery condition regularly and replace them promptly when they are low to prevent malfunctions. Disconnect from power, store in a dry, cool place during extended periods like winter, and protect it from dust, moisture, and potential damage. Always supervise children and individuals with disabilities near the pool, establish clear pool rules, and have readily available first aid supplies with someone trained in basic first aid and CPR. Connect the timer to a GFCI protected electrical outlet to reduce the risk of electric shock and never touch it or electrical connections with wet hands. For optimal function, examine the timer for any signs of wear or damage. If you notice any issues, replace the affected parts immediately. Securely install the timer in a dry location, away from water sources and potential hazards. For operation, follow the instructions provided in the user manual carefully. Do not tamper with the settings or attempt repairs unless you are qualified to do so. Regular maintenance is crucial for ensuring safe and enjoyable pool use. Regularly inspect the timer for damage or wear and disconnect it from power before cleaning or performing maintenance. By prioritizing safety, you can create a secure environment for everyone. Your Intex pool pump timer should come with essential parts and accessories to facilitate proper installation and operation. Familiarize yourself with these components to understand their functions and maintenance requirements. The standard parts include: * Timer Unit: controls the pump's on/off schedule * Power Cord: connects the timer unit to a GFCI protected outlet, inspect it regularly for damage and replace as needed * Mounting Bracket: securely attaches the timer unit to a wall or surface Also included are the user manual, filter cartridge (if applicable), extension cord (if necessary), and replacement parts. To operate your Intex pool pump timer effectively: 1. Install the timer in a safe location. 2. Connect the power cord to a GFCI protected outlet. 3. Mount the timer securely using the provided bracket and screws. 4. Follow the user manual instructions for setting up and operating the timer. Intex provides replacement parts for various components, including the power cord, mounting bracket, and timer unit itself. It's advisable to keep a spare power cord on hand in case of damage. Using The Pool Pump Timer Safely And Effectively Setting up an electrical outlet is vital to safeguarding you and your pool from electric dangers. Locate the Timmer Settings on the timer unit by finding the buttons or dials used for setting On/Off times, whether they are digital displays showing the current settings or physical dials that can be rotated. Set The On Time using the timmer settings to determine when you want the pump to turn on - for example, if you want it to run from 1 pm for four hours, set the On time to 1 pm. Next, Set The Off Time by setting the time when you want the pump to turn off, such as 5 pm (1 pm + 4 hours). Confirming Settings requires double-checking the timmer settings to make sure they are correct - some timers might require a button press or dial turn to confirm. To Run The Timer, flip the power switch on the timer unit to turn it on and the pump should run according to the programmed schedule.

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