

OWNER'S MANUAL

IMPORTANT SAFETY RULES

Read, understand, and follow all instructions carefully before installing and using this product.

Krystal Clear™ Model 603 Filter Pump



Don't forget to try these other fine Intex products: Pools, Pool Accessories, Inflatable Pools and In-Home Toys, Airbeds and Boats available at fine retailers or visit our website.



IMPORTANT! DO NOT RETURN PRODUCT TO STORE

To purchase parts and accessories or to obtain non-technical assistance,
Visit www.intexcorp.com

For technical assistance and missing parts call us toll-free (for U.S. and Canadian Residents):

1-800-234-6839

Monday through Friday, 8:30am to 5:00pm Pacific Time

057**-R0-1006

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IMPORTANT SAFETY RULES

Read, Understand and Follow All Instructions Carefully Before Installing and Using this Product.

READ AND FOLLOW ALL INSTRUCTIONS

WARNING

- To reduce the risk of injury, do not permit children to use this product. Always supervise children and those with disabilities.
- Children must stay away from this product and electrical cord(s).
- Assembly and disassembly by adults only.
- Risk of electric shock. Connect this product only to a grounding type receptacle protected by a ground-fault circuit interrupter (GFCI). Contact a qualified electrician if you cannot verify that the receptacle is protected by a GFCI.
- Always unplug this product from the electrical outlet before removing, cleaning, servicing or making any adjustment to the product.
- Do not bury the electrical cord. Locate the cord where it will not be damaged by lawn mowers, hedge trimmers and other equipment.
- To reduce the risk of electric shock, the supply cord cannot be replaced. If the cord is damaged, the appliance should be replaced immediately.
- To reduce the risk of electric shock, do not use extension cords, timers, plug adaptors or converter plugs to connect unit to electric supply; provide a properly located outlet.
- Do not attempt to plug in or unplug this product while standing in water or when your hands are wet.
- Do not use an appliance leakage current interrupter (ALCI) in place of a GFCI since the ALCI will not protect people.
- Position this product away from the pool, so as to prevent children from climbing on it and accessing the pool.
- Do not operate this product when the pool is occupied.
- This product is intended to be used only for the purposes described in the manual!

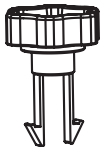



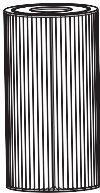



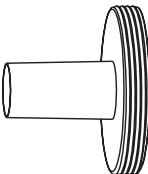
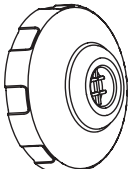
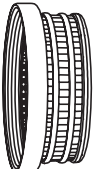
FAILURE TO FOLLOW THESE WARNINGS MAY RESULT IN PROPERTY DAMAGE, ELECTRIC SHOCK, ENTANGLEMENT OR OTHER SERIOUS INJURY OR DEATH.

CAUTION

This product is for use with storable pools only. Do not use with permanently-installed pools. A storable pool is constructed so that it is capable of being readily disassembled for storage and reassembled to its original integrity. A permanently-installed pool is constructed in or on the ground or in a building such that it cannot be readily disassembled for storage.

These product warnings, instructions and safety rules provided with the product represent some common risks of water recreation devices and do not cover all instances of risk and danger. Please use common sense and good judgement when enjoying any water activity.

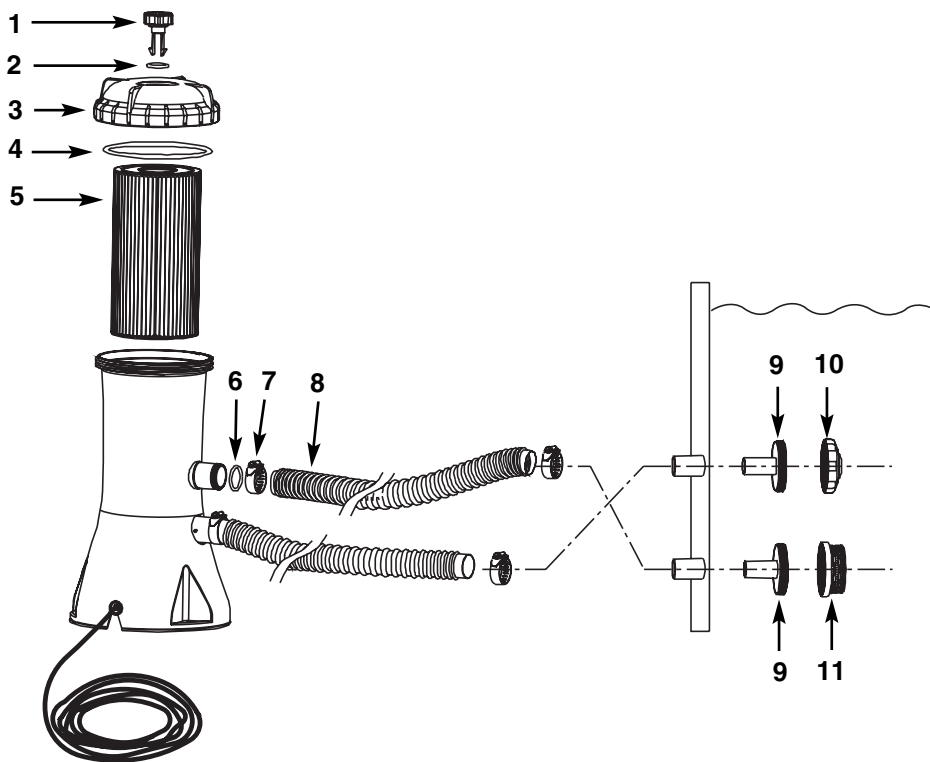
PARTS LIST

1 	2 	3 
4 	5 	6 
7 	8 	9 
10 	11 	

NOTE: Drawings for illustration purpose only. May not reflect actual product. Not to scale.

PARTS REFERENCE

Before assembling your product, please take a few minutes to check the contents and become familiar with all the parts.



NOTE: Drawings for illustration purpose only. May not reflect actual product. Not to scale.

REF. NO.	DESCRIPTION	QTY.	SPARE PART NO.
1	AIR RELEASE VALVE	1	10460
2	VALVE O-RING	1	10264
3	THREADED COVER	1	10459
4	COVER SEAL	1	10325
5	FILTER CARTRIDGE (59900)	1	
6	HOSE SEAL	2	10134
7	HOSE CLAMP	4	10122
8	HOSE	2	10116
9	STRAINER CONNECTOR	2	11070
10	POOL INLET NOZZLE	1	11071
11	STRAINER GRID	1	11072

When ordering parts, be sure to quote the model number and part numbers.

PARTS REFERENCE

SETUP INSTRUCTIONS

Be sure you have access to water to fill the pool and chemicals for the water. A small coin can be used to tighten the hose clamps (7).

IMPORTANT: This filter pump is shipped with the air release valve (1) open (open the air release valve if necessary). DO NOT replace the air release valve until you reach STEP #8. Failure to follow these instructions will result in air trapped inside filter housing; the motor will run dry, be noisy and malfunction.

1. Assemble above-ground-pool first. Carefully follow the pool's installation instructions.
2. Place the filter pump the length of the hose away from the pool wall where the lower black protruding hose connection is "sticking-out".
3. Insert the nozzle union (9 & 10) into the upper protruding hose connections. Then insert the strainer union (9 & 11) into the lower protruding hose connections. The hoses (8) fit over the strainers inserted into the connections.
4. There are two hoses to be connected to the filter pump hose connections. With hose clamps (7), fasten one of the hoses (8) to the lower protruding hose connection (marked "+" on the pool liner) and to the upper pump connection (marked "+").
5. Connect the second hose to the remaining upper protruding hose connection and to the lower pump connection. Make sure all the hose clamps (7) are tight.
6. Twist the filter pump's threaded cover (3) in a clock-wise direction to be sure it is on "tight". Use only your hands to tighten the top. Do not tighten with tools such as pliers.
7. Fill the pool to a level of at least 1-2 inches above the top connection. The water will automatically flow down into the pump.
8. When water starts flowing out of the air release valve hole, screw in the air release valve back into the filter housing cover. Do not over tighten the valve.
NOTE: Venting the system is necessary for air to escape as the filter housing fills with water.
9. Connect the filter pump to the power outlet. The filter pump is now filtering the water.

WARNING

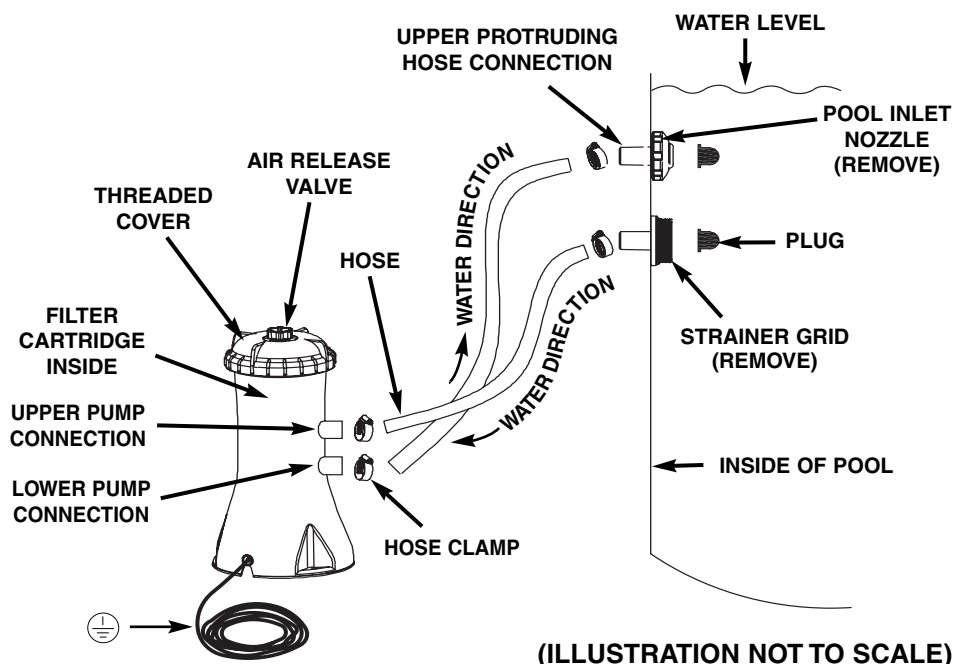
Risk of electric shock. Connect this product only to a grounding type receptacle protected by a ground-fault circuit interrupter (GFCI). Contact a qualified electrician if you cannot verify that the receptacle is protected by a GFCI.

10. Operate the filter pump until the desired water clarity is obtained.

SETUP INSTRUCTIONS (continued)

⚠ WARNING

Position this product away from the pool, so as to prevent children from climbing on it and accessing the pool.



CLEANING OR REPLACING FILTER CARTRIDGES

1. Make sure filter pump is not operating. Disconnect line cord.
2. To prevent water from escaping the pool, unscrew the pool inlet nozzle **(10)** and strainer grid **(11)** from the strainer connectors and insert the hat-like plugs into the strainer connectors.
3. In a counter-clockwise motion, remove threaded cover **(3)** and cover seal **(4)**. Be careful not to lose the cover seal **(4)**.
4. Remove filter cartridge **(5)** to clean it. The filter may be cleaned from the spray from a water hose.
5. Use judgement as to whether cartridge needs to be replaced.
6. Return cartridge to filtering position.
7. Return the seal **(4)** and threaded cover **(3)** to their original positions. Tighten the threaded cover **(3)** by hand only, twisting it in a clock-wise direction.
8. After service, open the air release valve, remove the plugs, allow any air to escape through the valve before tightening the valve again and replace the pool inlet nozzle **(10)** and stariner grid **(11)**. The pump is now primed with water again and may be turned on.

POOL CARE AND CHEMICALS

- All pools require care to keep the water clear and hygienically clean. With proper chemical control, your filter will help attain this objective. Consult your pool supply dealer for instructions regarding the proper use of chlorine, algaecide and other chemical agents required for sparkling clear water.
- Keep pool chemicals away from children.
- Do not replenish chemicals in pool while pool is occupied. Skin or eye irritations could occur.
- Daily pH checking and chemical treatment of the water is very important and can not be overemphasized. Chlorine, algaecide and maintenance of proper pH levels are required when filling the pool as well as during the season. Consult your local swimming pool supply store for instructions.
- The season's first filling of the pool may have brackish water requiring extra water additives and extra filter changes. Do not allow swimming in pool until the pH level is balanced. Consult your local swimming pool supply store for instructions.
- Keep spare filter cartridges on hand. Replace cartridges every two weeks.
- Chlorinated water may damage lawns, gardens or shrubbery as children play in the pool and splash water outside the pool. Lawn areas underneath the pool liner will be destroyed. Note that some types of grass may grow through the liner.
- Filter run time depends on pool size, weather and usage level. Experiment with various run times so as to produce clean clear water.

CAUTION

Concentrated chlorine solutions may damage the pool liner. Always follow the chemical manufacturer's directions, and the health and hazard warnings.

LONG TERM STORAGE

1. Before emptying your pool for long term storage, or relocation, be sure the water is directed towards an acceptable drain water receptacle away from the house. Check local regulations for specific directions regarding disposal of swimming pool water.
2. Now, drain the pool.
3. When the pool is empty, disconnect all pool hoses **(8)** from the pool and filter pump, simply reverse the set up instructions.
4. Remove the filter cartridge as shown in the Filter Cartridge Cleaning section, steps 2 thru 4.
5. Remove the nozzle and strainer unions from the pool wall. Place the wall plugs into the hose connections. Loosen clamps **(7)** securing the strainer connectors **(9)** before removal.
6. Drain water from the filter pump housing.
7. Leave filter pump pieces and hoses outside to thoroughly air dry.
8. Depending on the cartridge **(5)** usage, a new cartridge may be needed for next season, keep a spare available.
9. Cover the seal **(4)**, air release valve O-ring **(2)** and hose seals **(6)** with petroleum jelly to preserve its resilience during storage.
10. Store the unit and accessories in a dry place. The storage's temperature should be controlled, between 32 degrees Fahrenheit (0 degrees Celsius) and 104 degrees Fahrenheit (40 degrees Celsius) storage location.
11. The original packing can be used for storage.

TROUBLESHOOTING GUIDE

TROUBLE	CAUSE	SOLUTION
FILTER MOTOR FAILS TO START	<ul style="list-style-type: none"> The motor is not plugged in. The fuse box needs checking. The GFCI circuit breaker is tripped. Motor too hot and overload protection shut motor off. 	<ul style="list-style-type: none"> Filter cord must be plugged into a 3 wire outlet that is protected by a Class A Ground Fault Circuit Interrupter. Reset circuit breaker. If circuit breaker trips repeatedly, your electrical system may have a defect. Turn off circuit breaker and call an electrician to correct the problem. Let motor cool down.
FILTER DOESN'T CLEAN POOL	<ul style="list-style-type: none"> Improper chlorine or pH levels. Filter cartridge is dirty. Damaged cartridge. Excessively dirty pool. The strainer screen is restricting the water flow. 	<ul style="list-style-type: none"> Adjust the chlorine and pH level. Consult your local swimming pool supply stores. Clean or replace cartridge. Check the cartridge for holes. Replace if damaged. Operate the filter for longer periods. Clean the strainer screen at the inlet.
FILTER DOESN'T PUMP WATER OR FLOW IS VERY SLOW	<ul style="list-style-type: none"> Clogged inlet or discharge. An air leak on the intake line. Scale or buildup on cartridge. Excessively dirty pool. Dirty filter cartridge. Nozzle and strainer connection are reversed. 	<ul style="list-style-type: none"> Clear any obstructions in the intake hose by discharging it inside pool wall. Tighten hose clamps, check hoses for damage, check pool water level. Replace cartridge. Clean cartridge more often. Install the nozzle at the upper position of the pool inlet, and the strainer at the lower position of the pool outlet.
PUMP DOESN'T WORK	<ul style="list-style-type: none"> Low water level. Strainer screen plugged up. An air leak on the intake hose. Faulty motor or the impeller is jammed. An air lock inside the cartridge chamber. 	<ul style="list-style-type: none"> Fill pool to correct water level. Clean strainer screens at pool inlet. Tighten hose clamps, check hose for damage. Clear any sticks or leaves in the intake hose. Open the release valve at top of pump.
TOP COVER LEAKING	<ul style="list-style-type: none"> O-ring missing. Cover is not tight. Filter cartridge is dirty. 	<ul style="list-style-type: none"> Remove cover & check for O-ring. Tighten cover (Manually). Replace or clean cartridge.
HOSE LEAKING	<ul style="list-style-type: none"> Hose clamps are not well-fitted. 	<ul style="list-style-type: none"> Tighten or reinstall hose clamps.
AIR LOCK	<ul style="list-style-type: none"> There's air trapped in the pump housing and inlet hose. 	<ul style="list-style-type: none"> open air release valve, lift and lower the inlet hose until water starts to flow out of air release valve, close air release valve.

- To facilitate the connection of the hoses into the black protruding hose connectors on the liner, you may use soapy water solution (mix 6 drops of dish washing liquid in 1/2 a cup of water) to lubricate the hoses and the black protruding hose connectors. Continue per owner's manual.
- Do not use lubricants such as machine or industrial oil or grease.

COMMON POOL PROBLEMS

PROBLEM	DESCRIPTION	CAUSE	SOLUTION
ALGAE	<ul style="list-style-type: none"> Greenish water. Green or black spots on pool liner. Pool liner is slippery and/or has a bad odor. 	<ul style="list-style-type: none"> Chlorine and pH levels need adjustment. 	<ul style="list-style-type: none"> Super chlorinate with shock treatment. Correct pH to your pool store's recommended level. Vacuum pool bottom. Maintain proper chlorine level.
COLORED WATER	<ul style="list-style-type: none"> Water turns blue, brown, or black when first treated with chlorine. 	<ul style="list-style-type: none"> Copper, iron or manganese in water being oxidized by the added chlorine. This is common. 	<ul style="list-style-type: none"> Adjust pH level to the recommended level. Run filter until water is clear. Clean cartridge frequently.
FLOATING MATTER IN WATER	<ul style="list-style-type: none"> Water is cloudy or milky. 	<ul style="list-style-type: none"> "Hard water" caused by a too high pH level. Chlorine content is low. Foreign matter in water. 	<ul style="list-style-type: none"> Correct the pH level. Check with your pool dealer for advice. Adjust the chlorine level. Clean or replace your filter.
CHRONIC LOW WATER LEVEL	<ul style="list-style-type: none"> Level is lower than on previous day. 	<ul style="list-style-type: none"> Rip or hole in pool liner or hoses. The drain valves are loose. 	<ul style="list-style-type: none"> Repair with a patch kit. Finger tighten all caps.
SEDIMENT ON POOL BOTTOM	<ul style="list-style-type: none"> Dirt or sand on pool floor. 	<ul style="list-style-type: none"> Heavy use, getting in and out of pool. 	<ul style="list-style-type: none"> Use Intex pool vacuum to clean bottom of pool.
SURFACE DEBRIS	<ul style="list-style-type: none"> Leaves, insects etc. 	<ul style="list-style-type: none"> Pool too close to trees. 	<ul style="list-style-type: none"> Use Intex pool skimmer.

IMPORTANT

If you continue to experience difficulty, please contact our Consumer Service Department for assistance. See back cover for contact information.

COMMON PROBLEMS

GENERAL AQUATIC SAFETY

Water recreation is both fun and therapeutic. However, it involves inherent risks of injury and death. To reduce your risk of injury, read and follow all product, package and package insert warnings and instructions. Remember, however, that product warnings, instructions and safety guidelines cover some common risks of water recreation, but do not cover all instances or risk and or danger.

For additional safeguards, also familiarize yourself with the following general guidelines as well as guidelines provided by nationally recognized Safety Organizations:

- Demand constant supervision.
- Learn to swim.
- Take the time to learn CPR and first aid.
- Instruct anyone who is watching your children about potential pool hazards and about the use of protective devices such as locked doors, barriers, etc.
- Teach children what to do in case of an emergency.
- Always use common sense and good judgement when enjoying any water activity.
- Supervise, supervise, supervise.

For additional information on safety, please visit

- The Association of Pool and Spa Professionals: The Sensible Way to Enjoy Your Aboveground/Onground Swimming Pool www.nspi.org
- American Academy of Pediatrics: Pool Safety for Children www.aap.org
- Red Cross www.redcross.org
- Safe Kids www.safekids.org
- Home Safety Council: Safety Guide www.homesafetycouncil.org
- Toy Industry Association: Toy Safety www.toy-tia.org

SAFETY IN YOUR POOL

Safe swimming depends on constant attention to the rules. The "NO DIVING" sign within this manual can be posted near your pool to help keep everyone alert to the danger. You may also wish to copy and laminate the sign for protection from the elements.

LIMITED WARRANTY

Your Krystal Clear™ Filter-Pump has been manufactured using the highest quality materials and workmanship. All Intex products have been inspected and found free of defects prior to leaving the factory. This Limited Warranty applies only to the Krystal Clear™ Filter-Pump.

The provisions of this Limited Warranty apply only to the original purchaser and is not transferable. This Limited Warranty is valid for a period of one (1) year from the date of the initial retail purchase. Keep your original sales receipt with this manual, as proof of purchase will be required and must accompany warranty claims or the Limited Warranty is invalid.

If a manufacturing defect is found within this one (1) year period, please contact the appropriate Intex Service Center listed in this manual. The Service Center will determine the validity of the claim. If the Service Center directs you to return the product, please carefully package the product and send with shipping and insurance prepaid to the Service Center. Upon receipt of the returned product, the Intex Service Center will inspect the item and determine the validity of the claim. If the provisions of this warranty cover the item, the item will be repaired or replaced at no charge.

Any and all disputes regarding the provisions of this Limited Warranty shall be brought before an informal dispute settlement board and unless and until the provisions of these paragraphs are carried forth, no civil action may be instituted. The methods and procedures of this settlement board shall be subject to the rules and regulations set forth by the Federal Trade Commission (F.T.C.). IMPLIED WARRANTIES ARE LIMITED TO THE TERMS OF THIS WARRANTY AND IN NO EVENT SHALL INTEX, THEIR AUTHORIZED AGENTS OR EMPLOYEES BE LIABLE TO THE BUYER OR ANY OTHER PARTY FOR DIRECT OR CONSEQUENTIAL DAMAGES OR LIABILITIES. Some states, or jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This Limited Warranty does not apply if the Krystal Clear™ Filter-Pump is subject to negligence, abnormal use or operation, accident, improper operation, improper voltage or current contrary to operating instructions, or to damage by circumstances beyond Intex's control, including but not limited to, ordinary wear and tear and damage caused by exposure to fire, flood, freezing, rain, or other external environmental forces. This Limited Warranty applies only to those parts and components sold by Intex. The Limited Warranty does not cover unauthorized alterations, repairs or disassembly by anyone other than Intex Service Center personnel.

DO NOT GO BACK TO THE PLACE OF PURCHASE FOR RETURN OR REPLACEMENT. IF YOU ARE MISSING PARTS OR NEED ASSISTANCE, PLEASE CALL US TOLL-FREE (FOR U.S. AND CANADIAN RESIDENTS): 1-800-234-6839.

Proof of Purchase must accompany all returns or the warranty claim will be invalid.

POST THIS WARNING NEAR YOUR POOL

! WARNING

**NO DIVING OR JUMPING
SHALLOW WATER**

DIVING MAY RESULT IN PERMANENT INJURY OR DEATH

- Be Safe. Swim with a friend.
- Children must be accompanied by an adult.
- Don't swim when using alcohol or drugs.
- Be familiar with the pool before swimming.
- No running, jumping, or horseplay in or around pool.
 - No glass in pool area.



TO AVOID SERIOUS INJURY ALL POOL USERS MUST KNOW AND FOLLOW THESE SAFETY RULES.

COUNTRIES/REGIONS**SERVICE CENTER LOCATIONS**

- UNITED STATES
- CANADA

INTEX RECREATION CORP.
 14779 Bar Harbor Road
 Fontana, CA 92336
 Tel: 1-800-234-6839
 Fax: 310-549-2900
 Website: www.intexcorp.com (U.S./Canada only)
 Consumer Service Hours: 8:30 am to 5:00 pm
 Pacific Time, Mon. thru Fri. only.

- MEXICO

KAY INTERNACIONAL, S.A. DE C.V.
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 Jardines del Pedregal, C.P. 01900
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 Tel: 01-800-347-4020 (Collect Call)
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 E-mail: servicenter@kayinternacional.com
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- PANAMA
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- ECUADOR
- HONDURAS
- EL SALVADOR
- NICARAGUA

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- VENEZUELA

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 Website: www.intexdevelopment.com

For answers to most frequently asked questions, please visit www.intexcorp.com.
 Non U.S. Residents, please visit www.intexdevelopment.com.

English

®

INTEX

For Residents of the U.S. & Canada:

INTEX RECREATION CORP.

Attn: Consumer Service

14779 Bar Harbor Road

Fontana, CA 92336

Phone: 1-800-234-6839

Fax: (310) 549-2900

Consumer Service Hours:

8:30 am to 5:00 pm Pacific time

Monday thru Friday only

Website: www.intexcorp.com

For Residents outside of the U.S. and Canada:

Please refer to the Service Center Locations

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