KRYSTAL CLEAN POOLWATER™ LOW-SALT AUTOMATIC SALTWATER SYSTEM MODEL 6110

CONTROLS BACTERIA AND ALGAE in Storable Swimming pool Waters. DOMESTIC. A Maximum of 55,000 L (14,530 gal) of water can be treated with one Krystal Clean Poolwater™ Low-Salt Automatic Saltwater System Model 6110 unit. Maximum output of hypochlorous acid equivalent to 0.16kg (0.35 lb) of free available chlorine per day. For swimming pools, 1.0-3.0 ppm of free available chlorine must be maintained.

READ THE LABEL AND OWNER'S MANUAL BEFORE USING. KEEP OUT OF REACH OF CHILDREN. REGISTRATION NO.28720 PEST CONTROL PRODUCTS ACT. Intex Trading Ltd., 9th floor Dah Sing Financial Center, 108 Gloucester Road, Wanchai, Hong Kong

The Canadian Group, 430 Signet Drive Suite A, Toronto, Ontario M9L2T6, Canada Tel: (416)746-3388

WARNING: Operating Krystal Clean Poolwater™ Low-Salt Automatic Saltwater System Model 6110 without water flow through the cell can cause a build up of flammable gases which can result in FIRE OR EXPLOSION.

CONTROL UNIT WARNING LABEL (CANADA)

Children can fall into bucket and drown. Keep children away from bucket with even a small amount of liquid.

WARNING

BUCKET LABEL (CANADA) SIZE: 180mm x 70mm DATE: 07/11/2007

WARNING:

RISK OF ELECTRIC SHOCK.
CONNECT ONLY TO GROUNDING
TYPE RECEPTACLE PROTECTED
BY A CLASS A GROUND FAULT
CIRCUIT INTERRUPTER (GFCI).

PLUG WARNING LABEL (CANADA)

KRYSTAL CLEAN POOLWATER™ LOW-SALT AUTOMATIC SALTWATER SYSTEM MODEL 6110

110 – 120 V~, 60 Hz, 1.6 A THERMALLY PROTECTED WEATHERPROOF ENCLOSURE CSA ENCLOSURE 3 DOUBLE INSULATED AND GROUNDED FOR USE WITH STORABLE SWIMMING POOLS ONLY.

CAUTION

FOR CONTINUED PROTECTION
AGAINST POSSIBLE ELECTRIC SHOCK,
USE ONLY IDENTICAL REPLACEMENT
PARTS WHEN SERVICING.

IMPORTANT

READ THE LABEL AND OWNER'S MANUAL BEFORE USING.

6110 POOLWATER SYSTEM (CANADA) SIZE: 150mm x 100mm 07/11/2007

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Made in China CONFORMS TO UL STD. 1081 CERTIFIED TO CSA STD. C22.2 No. 108-01 3077995 US C

SAFETY WARNING LABEL (CANADA)

IMPORTANT SAFETY RULES

Read, Understand, and Follow all Instructions Carefully before Installing and using this Product.

OWNER'S MANUAL

Krystal Clean Poolwater™ Low-Salt Automatic Saltwater System Model 6110

To find out more about additional Intex products, please 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

111CD-R0-0807

TABLE OF CONTENTS

Warnings	3-4
Parts List & Reference	5-7
Product Information & Specifications	8
Set Up Instructions	9-11
Salt and Pool Water Volumes	12-13
Operating Instructions	14-18
Intex Pools Operating Time Table	15-16
Non-Intex Pools Operating Time Table	16
Alarms	19-21
Maintenance	22-24
Long Term Storage	23
NTEX 3-Way Test Strips	23
Pool Maintenance and Chemical Definitions	24
Troubleshooting Guide	25
General Aquatic Safety	26
Limited Warranty	27
Pool Safety Sign	28
ntex Service Center Locations	29

SAFETY RULES

IMPORTANT SAFETY RULES

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

READ AND FOLLOW ALL INSTRUCTIONS 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.

WARNING

- To reduce the risk of injury, do not permit children to use this product. Always supervise children and those with disabilities.
- 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.
- Do not bury electrical cord. Locate cord where it will not be damaged by lawn mowers, hedge trimmers, and other equipment.
- To reduce the risk of electric shock, replace damaged cord immediately. Use a qualified electrician to replace the cord.
- 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.
- · Assembly and disassembly by adults only.
- 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 pool to prevent a child from climbing on pump to access the pool.
- Children must stay away from this product and electrical cord(s).
- Do not operate this product when pool is occupied.
- Never use the pool if indicated chlorine level is more than 3 ppm.
- Always unplug this product from the electrical outlet before removing, cleaning, servicing or making any adjustment to the product.
- Operating this product without water flowing through the system can cause a build up of flammable gases which can result in FIRE OR EXPLOSION.
- This product is intended to be used only for the purposes described in the manual!
- Follow all aspects of the local and National Electrical Code(s) when installing the Krystal Clean Poolwater-Low-Salt Automatic Saltwater System Model 6110.

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

KRYSTAL CLEAN POOLWATER™ LOW-SALT AUTOMATIC SALTWATER SYSTEM MODEL 6110

110 – 120 V~, 60 Hz, 1.6 A
THERMALLY PROTECTED
WEATHERPROOF ENCLOSURE
CSA ENCLOSURE 3
DOUBLE INSULATED AND GROUNDED
FOR USE WITH STORABLE SWIMMING POOLS ONLY.

CAUTION

FOR CONTINUED PROTECTION AGAINST POSSIBLE ELECTRIC SHOCK, USE ONLY IDENTICAL REPLACEMENT PARTS WHEN SERVICING.

IMPORTANT

READ THE LABEL AND OWNER'S MANUAL BEFORE USING.

KRYSTAL CLEAN POOLWATER™ LOW-SALT AUTOMATIC SALTWATER SYSTEM MODEL 6110

CONTROLS BACTERIA AND ALGAE in Storable Swimming pool Waters. DOMESTIC.

A Maximum of 55,000 L (14,530 gal) of water can be treated with one Krystal Clean Poolwater™ Low-Salt Automatic Saltwater System Model 6110 unit.

Maximum output of hypochlorous acid equivalent to 0.16 kg (0.35 lb) of free available chlorine per day.

For swimming pools, 1.0-3.0 ppm of free available chlorine must be maintained.

READ THE LABEL AND OWNER'S MANUAL BEFORE USING.

KEEP OUT OF REACH OF CHILDREN.

REGISTRATION NO. 28720 PEST CONTROL PRODUCTS ACT.

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WARNING

Operating Krystal Clean Poolwater™ Low-Salt Automatic Saltwater System Model 6110 without water flow through the cell can cause a build up of flammable gases which can result in FIRE OR EXPLOSION.

WARNING

RISK OF ELECTRIC SHOCK.

CONNECT ONLY TO GROUNDING TYPE RECEPTACLE PROTECTED BY A CLASS A GROUND FAULT CIRCUIT INTERRUPTER (GFCI).

PARTS LIST

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.

PARTS REFERENCE

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

	REF. NO.					
COMMON	FOR CONNECTI ON TO ABOVE GROUND POOLS EQUAL OR HIGHER THAN 107CM (42") IN HEIGHT	ON TO FILTER PUMPS WITH 32MM (1- 1/4")	FOR CONNECTI ON TO FILTER PUMPS WITH 38MM (1- 1/2") HOSE SIZE	DESCRIPTION	QTY.	PART NO.
1				SALT MEASURING SCOOP	1	10999
2				WATER LEVEL INDICATOR	1	11045
3				TANK COVER (COVER CLIPS & SCREWS INCLUDED)	1	11000
4				COVER CLIP	2	11046
5				SCREW	4	11047
6				SALT CONTAINER NET	1	11048
7				SALT CONTAINER		11001
8				SALTWATER TANK FILTER		11049
9				SALTWATER TANK	1	11002
10				DRAIN VALVE PLUG	1	10044
11				DRAIN VALVE CAP	1	10649
12				WATER FILTER	1	11003
13				O-RING	2	11050
	14			WATER BAFFLE ADAPTOR A (OPTIONAL)	1	11051
		15		ADAPTOR A WITH THREADED COLLAR (OPTIONAL)	2	10849
		16		HOSE CLAMP (OPTIONAL)	2	10122
		17		HOSE (OPTIONAL)	1	10116
			18	CONNECTOR HOSE WITH THREADED FITTINGS (OPTIONA	1	10720
19				DRAIN CONNECTOR	1	10184

PRODUCT INFORMATION/SPECS

HOW SANITIZER IS GENERATED

Common salt (sodium chloride) is made up of two elements, sodium and chlorine. During the installation of your Saltwater System, a measured quantity of salt is dissolved in the saltwater tank with pool water to make it slightly salty. This salty water is passed through the saltwater system's electrolytic cell to produce HOCL which dissolves instantly in the water. The HOCL destroys bacteria, algae and oxidizes other organic materials.

Key Saltwater System Parts:

Power Supply

The power supply converts AC electrical current to a low voltage DC current. This is required by the electrolytic cell to perform the electrolysis that creates chlorine.

• Electrolytic Cell (with Titanium Plates)

The electrolytic cell contains bipolar titanium electrodes which perform the electrolysis and produce liquid sanitizer (HOCL) when energized with DC electricity. Sanitizer is generated when pool water containing salt passes through the cell. The sanitizer production can be varied by changing the number of hours the saltwater system is operating each day. The saltwater system has a built-in self cleaning cycle that operates every ten hours without interrupting sanitizer production. The expected life expectancy of the electrolyte cell is 2,880 hours under normal use conditions.

Flow Sensor

The flow sensor protects the electrolytic cell and ensures there is adequate water flowing through the cell. When the water flow drops below a minimum flow rate, the electrolytic cell will automatically shut down to protect the titanium plates. A safety buzzer will sound and the red LED on the right will light up indicating the problem.

Electronic Control Station

The electronic control station contains two LED lights and a time control dial to program the saltwater system operating hours. It also monitors the different parameters such as salt concentration, water flow and the electrolytic cell activity. If any deviation from the norm occurs then a buzzer will sound and the red LED on the right will light up indicating the problem.

PRODUCT SPECIFICATIONS

Power: 110 - 120 Volt Amperage: 1.6 A Wattage: 160 W

Maximum Sanitizer Output/hour: 18 grams/hour

Minimum Flow Rate: 1893 litres/hour (500 gallons/hour) Limited Warranty: 1 Year (see "Limited Warranty")

SET-UP INSTRUCTIONS

IMPORTANT

- The saltwater system must be installed as the last piece of pool equipment in the water return line to the pool as displayed in Fig. 6. This location extends the life of the titanium plates.
- Disassemble the heater and accessories within the circulation line before use.
- **1.** Assemble the above-ground-pool (AGP) and its filter pump per installation instructions.
- **2.** Remove the saltwater system and it's accessories from the packaging.
- **3.** Lift up the saltwater tank from the position it was stored in. See Fig. 1.
- **4.** Flip the saltwater tank over. Press it downward onto the base as shown. Make sure the tank is securely connected to the base. See Fig. 2.
- **5.** In a clockwise motion screw the salt container **(7)** to the underneath of tank cover **(3)**. See Fig. 3.
- **6.** Attach the cover to the saltwater tank. Lock the cover clips **(4)** on the handle of the tank. See Fig. 4.
- **7.** Connect the hose to the saltwater pool system inlet. For installation: see page 9 for 32mm (1-1/4") hose and page 10 for 38mm (1-1/2") hose connections.

For connection to filter pumps with 32mm (1-1/4") hose size:

- **1.** If your above-ground-pool is filled up with water, unscrew the strainer grids from the strainer connectors and insert the black hat-like plugs into the strainer connectors to prevent water from flowing out of pool. Go to step 2 directly if your pool is empty.
- 2. If your above ground pool is equal or higher than 107cm (42") in height, insert the water baffle adaptor A (14) into the saltwater system outlet as shown in Fig. 5. Go to step 3 directly if your pool is lower than 107cm (42") in height.
- **3.** Connect the adaptors A **(15)** to the saltwater system as shown in Fig. 6. Tighten securely.

NOTE: Make sure the LED lights on the saltwater system are facing out from the pool during the installation as shown in Fig. 6.

- **4.** Disconnect the water return (to the pool) hose from the filter pump connection, and connect it to the adaptor A **(15)** on the saltwater system outlet with a hose clamp. See Fig. 6.
- **5.** Connect connector hose **(17)** to the filter pump outlet (lower connection) and saltwater system inlet with hose clamps. Tighten securely.
- **6.** Return strainer grids to strainer connectors inside pool after removing black hat-like plugs that prevented water from flowing out of the pool. Fig (6)
 Fig (5)

SWIMMING POOL FILTER PUMP

NOTE: Remove the strainer at the pool inlet to allow the maximum flow rate of the water to the pool.

For connection to filter pumps with 38mm (1-1/2") hose size:

Do not use adapter A (15)

- **1.** If your above-ground-pool is filled with water, close the plunger valves before saltwater system installation. Go to step 2 directly if your pool is empty.
- 2. If your above ground pool is equal or higher than 107cm (42") in height, insert the water baffle adaptor A (14) into the saltwater system outlet as shown in Fig. 5. Go to step 3 directly if your pool is lower than 107cm (42") in height.
- **3.** Disconnect the water return (to the pool) hose from the filter pump connection, and connect it to the saltwater system outlet. See Fig. 7.

NOTE: Make sure the LED lights on the saltwater system are facing out from the pool during the installation as shown in Fig. 7.

- **4**. Connect connector hose **(18)** to the filter pump outlet (lower connection) and saltwater system inlet. Tighten securely. See Fig. 7.
- 5. Open plunger valves to allow water to flow.

Fig (7) SWIMMING POOL FILTER PUMP Fig (5)

NOTE: Remove the strainer at the pool inlet to allow the maximum flow rate of the water to the pool.

ADDING SALT

SALT & POOL WATER VOLUMES

Use only Fine Sodium Chloride Salts (table salt type)
Use only fine sodium chloride (NaCl) salt that is at least 99.8% pure. **Do not use salt** pellets or crystals. Do not use iodized or yellow (yellow prussiate of soda) colored salt. The electrolytic cell uses this salt to create the sanitizer. The purer the salt the better the performance of the electrolytic cell.

Optimum Salt Concentrations

The ideal salt concentration in the saltwater tank is between 30,000-35,000 ppm (parts per million). A low salt concentration will reduce the efficiency of the saltwater system and result in low sanitizer production. High salt concentration may damage the power supply and cause corrosion to pool metal fixtures and accessories. The best way to ensure the proper salt concentration is to carefully follow these instructions.

How to Add Salt

NOTE: Only add salt for initial use and each time saltwater tank water is replenished.

- 1. Depress the ON button on the filter pump switch to circulate pool water.
- 2. Keep the saltwater system "OFF".
- 3. In counter-clockwise motion unscrew and lift up the salt measuring scoop (1).
- 4. Using the salt measuring scoop, measure out four full scoops of salt (total 1kg or 2.2lbs) into the salt container (7). See Fig. 8.
- **5.** Attach the salt measuring scoop to the cover, turn clockwise and secure in place.
- 6. Turn the water filling valve counterclockwise to open the valve. Pool water will flow into the tank.

See Fig. 9.

IMPORTANT

DO NOT add pool chemicals directly to the saltwater tank. This may damage the cell.

Fig (8)

IMPORTANT

DO NOT try to move the unit by holding the handles on the tank when it is filled with water. This will cause the salt water to flow out of the tank.

If you have unintentionally moved the unit in his way, please immediately secure the tank to its right position.

Follow the manual's instructions to add salt and water as needed.

7. When you see the red indicator on the cover pop up, immediately turn the water filling valve clockwise to close the valve. The tank should fill in 3-4 minutes. See Fig. 10.

Fig (9)

Fig (10)

OPERATION INSTRUCTIONS

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.
- 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.
- Position this product away from pool to prevent a child from climbing on pump to access the pool.
- Do not operate this product when pool is occupied.
- Operating this product without water flowing through the system can cause a build up of flammable gases which can result in FIRE OR EXPLOSION.

Before starting the saltwater system be sure that:

- The entire filtering and saltwater system is connected to a grounding type receptacle protected by a ground-fault circuit interrupter (GFCI).
- The filter pump operates several minutes before starting the saltwater system (This removes air pockets and debris in the water hoses).
- No air is trapped in any of the hoses (Follow the Filter Pump Owner's manual to release any trapped air).
- **1.** Adjust the time control dial which is located at the back of the electronic control station to the suitable level for your pool size. See operation time table. See Fig. 11.

NOTE: The operating time level is already set in the factory if you are purchasing a pool set.

- 2. Switch on the unit. The left side green LED on the control panel will light up.
- **3.** The right side green LED light on the control panel will light up about ten minutes after the salt is thoroughly dissolved and mixed with water, which indicates the saltwater system has started chlorine production. The built-in timer will now operate for the number of hours selected at the same time each day.

NOTE: The saltwater system will not operate if the filter pump is not operating.

- **4.** The number of operating hours can be re-adjusted as necessary. Switch off the unit and adjust the time control dial.
- **5.** The right side green LED light on the control panel will turn off when the cycle has ended. The system automatically goes into a "Power Saving Mode" and will automatically turn itself back on in 24 hours to continue its daily chlorine production. **Fig (11)**

Level and Operation Time

Level	1	2	3	4	5
Operation Time (Hours)	1	2	4	6	12

INTEX POOLS OPERATING TIME TABLE

This table shows the operating time required for normal use of the Saltwater System with above ground pools.

Pool Size		Water Capacity (Calculated at 90% for Frame Pool and 80% for Easy Set & Oval Pool)		Level	Number of days before salt and water Level replenishment
			(Gals)		(Days) (Approximate)
INTEX ABOVE GR	ROUND POOLS (AGP)				
	244cm x 76cm (8' x 30) "	2419	639	1	4
	305cm x 76cm (10' x 30) "	3853	1018	1	4
	366cm x 76cm (12' x 30) "	5621	1485	1	4
	366cm x 91cm (12' x 36) "	6734	1779	2	3
	457cm x 84cm (15' x 33) "	9792	2587	2	3
	457cm x 91cm (15' x 36) "	10681	2822	2	3
EASY SET®	457cm x 107cm (15' x 42) "	12430	3284	2	3
POOL	457cm x 122cm (15' x 48) "	14141	3736	3	1
	488cm x 107cm (16' x 42) "	14209	3754	3	1
	488cm x 122cm (16' x 48) "	16173	4273	3	1
	488cm x 132cm (16' x 52) "	17464	4614	3	1
	549cm x 107cm (18' x 42) "	18115	4786	3	1
	549cm x 122cm (18' x 48) "	20647	5455	3	1
	549cm x 132cm (18' x 52) "	22309	5894	3	1
	305cm x 76cm (10' x 30) "	4485	1185	1	4
	366cm x 76cm (12' x 30) "	6503	1718	1	4
	366cm x 91cm (12' x 36) "	7896	2086	2	3
	366cm x 107cm (12' x 42) "	9288	2454	2	3
ROUND	457cm x 91cm (15' x 36) "	12422	3282	2	3
METAL	457cm x 107cm (15' x 42) "	14614	3861	3	1
FRAME POOL	457cm x 122cm (15' x 48) "	16805	4440	3	1
	488cm x 122cm (16' x 48) "	19156	5061	3	1
	549cm x 122cm (18' x 48) "	24311	6423	4	1
	549cm x 132cm (18' x 52) "	26423	6981	4	1
	732cm x 132cm (24' x 52) "	47241	12481	5	1
ULTRA FRAME™		19156	5061	3	1
POOL	549cm x 132cm (18' x 52) "	26423	6981	4	1

INTEX POOLS OPERATING TIME TABLE (continued)

This table shows the operating time required for normal use of the Saltwater System with above ground pools.

Pool Size		(Calculated Fram and 80% fo	Capacity d at 90% for e Pool or Easy Set I Pool)	Level	Number of days before salt and water Level replenishment
		(Liters)	(Gals)		(Days) (Approximate)
INTEX ABOVE GRO	DUND POOLS (AGP)				
RECTANGULAR	549cm x 274cm x132cm (18' x 9' x 52")	17203	4545	3	1
METAL FRAME POOL	975cm x 488cm x132cm (32' x 16' x 52")	54368	14364	5	1
RECTANGULAR	549cm x 274cm x132cm (18' x 9' x 52")	17203	4545	3	1
ULTRA FRAME™	732cm x 366cm x132cm (24' x 12' x 52")	31805	8403	4	1
POOL	975cm x 488cm x132cm (32' x 16' x 52")	54368	14364	5	1
	488cm x 244cm x107cm (16' x 8' x 42")	7691	2032	2	3
	549cm x 305cm x107cm (18' x 10' x 42")	10920	2885	2	3
OVAL FRAME	610cm x 366cm x122cm (20' x 12' x 48")	16628	4393	3	1
POOL	732cm x 366cm x122cm (24' x 12' x 48")	20465	5407	3	1
	853cm x 366cm x122cm (28' x 12' x 48")	24300	6420	4	1
	853cm x 366cm x132cm (28' x 12' x 52")	26211	6925	4	1
SMALL RECTANGULAR METAL FRAME POOL	220cm x 150cm x 60cm (86-5/8" x 59" x 23-5/8")	1662	439	1	4
	260cm x 160cm x 65cm (102-1/2" x 63" x 25-5/8")	2282	603	1	4
	300cm x 200cm x 75cm (118" x 78-3/4" x 29-1/2")	3834	1013	1	4
	380cm x 220cm x 80cm (149-5/8" x 78-3/4" x 31-1/2")	5197	1373	1	4
	450cm x 220cm x 85cm (177-1/4" x 86-5/8" x 33-1/2")	7218	1907	2	3

NOTE: The tank may be draired in less than the number of days shown depending on the actual flow rate of water through the system. The flow rate is dependent on filter-pump size, pool size, filter cartridge condition (a dirty filter reduces the flow rate considerably) and pool water level. Accordingly, check the volume of water in the tank on a regular basis. For example, if you are operating the system on level 1 (1 hour of daily operation), you should check the tank level 4 days after filling and daily after that until empty. If the tank is draining very slowly (6 days or longer) or too fast (2 days or faster), please see the trouble shooting guide.

NON-INTEX POOLS

Non-Intex Pools Operating Time Table

	Pool Capacity					Level	Number of days before salt and water Level replenishment
	(Liters)			(Gals)			(Days) (Approximate)
1500	to	6500	396	to	1717	1	4
6501	to	12500	1717	to	3302	2	3
12501	to	22500	3302	to	5944	3	1
22501	to	32000	5944	to	8454	4	1
32001	to	55000	8454	to	14529	5	1

OPERATION INSTRUCTIONS (continued)

Minimum Water Level

The water level in the tank may drop to or below the "MIN" line marked on the inner wall depending on the actual flow rate of water through the system. The flow rate is dependent on filter-pump size, pool size, filter cartridge condition (a dirty filter reduces the flow rate considerably) and pool water level. When the tank cannot be drained anymore and the water level stopped at or below the "MIN" line, replenish salt and water by following the manual's instruction.

Minimum Water Level

OPERATION INSTRUCTIONS (continued)

Pool Volume Calculation

Types of Pool	Cubic Meters (pool size in meters)	Gallons (pool size in feet)
Rectangular Length x Width x Average Depth Length x V		Length x Width x Average Depth x 7.5
Circular	Length x Width x Average Depth x 0.79	Length x Width x Average Depth x 5.9
Oval	Length x Width x Average Depth x 0.80	Length x Width x Average Depth x 6.0

SPECIAL NOTES

• Always use a test strip to test the sanitizer level before entering or using the pool. Standard chlorine test strips will measure the active sanitizer level in the pool water. If the test strip indicate the chlorine level is too high, wait until the indicated chlorine level drops below 3 ppm before using the pool or operating the saltwater system again.

WARNING

- NEVER use the pool if indicated chlorine level is more than 3 ppm.
- Do not operate saltwater system while the pool is in use or occupied.
- Heavy pool usage, and higher temperatures may require higher chlorineoutput (longer operation time) to maintain proper free available chlorine residuals.
- If a power outage occurs or the power cord is unplugged then the saltwater system operating hours will reset to the time of day corresponding with power being restored. Make sure that the pump is operating at the same time.

ALARMS

Automatic Alarms

No sanitizer production will occur if "Low Water Flow", "Low Saltwater Level in the saltwater tank" or "High Salt Concentration" conditions are detected. If any of these conditions occur then the saltwater system will sound an alarm that indicates sanitizer production has stopped. A buzzer will sound for an hour and the right side red LED on the control panel will light up. The saltwater system will go to power saving mode. Turn off the power of the unit and follow the solutions below in order to solve the problem. Turn on the unit again by following the "Operating Instructions".

CHECK	CAUSE	REMEDY	RIGHT LED LIGHT	BUZZER C
1. Low Water Flow or No Flow	Circulation line blocked.	Ensure the plunger valves are opened (if any). Ensure your filter cartridge is clear from debris and dirt. See Filter Pump Manual. Release all trapped air in the circulation line. See Filter Pump Manual.	Yes	Yes
	2. Incorrect inlet and outlet hose direction.	Check for the direction of water inlet and water outlet hose. Reverse the hoses if necessary. See "Set Up Instructions".		
	3. Flow sensor failure.	Contact Intex Service Center for replacement.		
2. Low Saltwater Level or No Saltwater	Saltwater ran out in the saltwater tank.	Drain out all the water in the saltwater tank. Refill water and add salt in the saltwater tank. See "How to Add or Remove Salt".	Yes	Yes
3. High Salt Concentration	Added too much salt or not filled with enough water.	Drain out all the water in the saltwater tank. Refill water and add salt in the saltwater tank. See "How to Add or Remove Salt".	Yes	Yes
	2. Possible motor or electrolytic cell failure	Contact Intex Service Center. Replace the cell if needed.		

ALARMS (continued)

Removing Salt

If too much salt has been added, a buzzer will sound for an hour and the right side red LED on the control panel will light up (see "**Automatic Alarms**"). The water in the saltwater tank must be replaced as follows:

WARNING

Always unplug this product from the electrical outlet before removing, cleaning, servicing or making any adjustment to the product.

IMPORTANT

Close plunger valves or insert black hat-like plugs in strainer opening to prevent water spillage. Open plunger valves or remove plugs when maintenance is completed.

- **1.** Check local regulations for specific directions regarding disposal of swimming pool water. Note that salt water can damage grass, plants, etc.
- 2. Open the tank cover (3). See Fig. 12.
- **3.** Check to make sure that the drain valve plug **(10)** inside the saltwater tank is plugged in place. See Fig. 13.
- **4.** Remove the drain valve cap **(11)** from the drain valve on the outside saltwater tank wall. Fig (12)

ALARMS (continued)

- 5. Attach the female end of the garden hose to the drain connector (19). See Fig. 14.
- **6.** Place the other end of the hose inan area where the watercan be safely drained away from the house, plants, etc.
- 7. Insert the drain connector (19) to the drain valve. See Fig. 15.

NOTE: The drain connector will push the drain valve plug **(10)** open inside the tank and water will start to drain immediately.

- 8. Disconnect hose and drain connector (19) when finished.
- **9.** Re-insert drain valve plug **(10)** in drain valve on inside of saltwater tank.
- **10.** Replace drain valve cap **(11)** on outside of saltwater tank.
- 11. Follow "Adding Salt" procedure.

MAINTENANCE

SALTWATER TANK, SALT CONTAINER AND WATER FILTERS CLEANING

Clean the saltwater tank, salt container, and water filters every 2 weeks.

- 1. Drain all water out from the saltwater tank. See "Removing Salt".
- 2. Remove tank cover (3) and lift the saltwater tank (9) off of the base unit.
- 3. Flip the saltwater tank over with the saltwater tank filter (8) facing up. See Fig. 16.
- **4.** Flush out any dirt or debris by using a garden hose.
- **5.** Remove the salt container **(7)** by unscrewing as shown. See Fig. 17.
- 6. Clean the salt container net (6) and salt container (7) to remove dirt, debris or caked salt. See Fig. 18.
- 7. Attach the net and container.
- 8. In a counter-clockwise motion unscrew the water filter (12) and remove it from the base unit. See Fig. 19.
- 9. Rub the net to crush the small particles (if any) and flush out the dirt by using a garden hose.
- **10.** Attach the water filter.
- **11.** Assemble the tank to the base unit and press it downward. Make sure the tank is securely connected to the base.
- 12. Attach the tank cover.

Fig (16)

Fig (17) Fig (19) Fig (18)

LONG TERM STORAGE

- **1.** Disconnect power cord from electrical outlet.
- **2.** After pool is emptied of all water, disconnect the Saltwater Pool System/Filter Pump from the pool hose, reversing the installation instructions.
- 3. Air-dry the unit before storage.
- **4.** Store the unit and accessories in a dry, temperature controlled, between 5 degrees Celsius (41 degrees Fahrenheit) and 38 degrees Celsius (100 degrees Fahrenheit) storage location.
- **5.** The original packing carton can be used for storage.

INTEX 3-WAY TEST STRIPS (PACKED WITH THE PRODUCT)

- 3-Way Test Strips can test the sanitizer level as "Free Chlorine", "pH", and "Total Alkalinity" levels at the same time. Directions and Use:
- **1.** Dip entire strip into water and remove immediately.
- 2. Hold strip level for 15 seconds (do not shake excess water from strip).
- **3.** Compare free chlorine, pH and total alkalinity strip pad to the color chart on packaging label. Adjust pool water as necessary. Proper technique is important for water testing. Be sure to read and follow the written strip instructions.

POOL MAINTENANCE & CHEMICAL DEFINITIONS

Parameters

Free available chlorine
pH
7.2 - 7.8

Total alkalinity
Calcium hardness
Swimming pools
1.0 - 3.0 ppm
7.2 - 7.8
100 - 120 ppm
200 - 300 ppm
Stabilizer (cyanuric acid)
30 - 100 ppm

HOCL - A very effective killer of algae and bacteria known as hypochlorous acid.

Free Chlorine -

Is the sanitizer (HOCL) present in pool water.

Is formed by the reaction of free chlorine with ammonia wastes.

Combined Chlorine - Result if too high -Sharp chlorinous odor, eye irritation.

A value that indicates how acidic or basic a solution is.

Result if too low -Corroded metals, eye & skin irritation,

destruction of total alkalinity.

pH - Result if too high -Scale formation, cloudy water, shorter filter runs,

eye & skin irritation, poor chlorine efficiency.

Indicates the degree of the water's resistance to change in pH. It determines the speed and ease of pH change, so always adjust total alkalinity before adjusting the pH level.

Result if too low -Corroded metals, eye & skin irritation.

Total Alkalinity - Low alkalinity will cause the pH to be unstable.

Any chemical added to the water will have an

affect on pH.

Result if too high -Scale formation, cloudy water, eye & skin irritation,

poor chlorine efficiency.

Refers to the amount of calcium and magnesium dissolved in the water.

Calcium Hardness - Result if too high -Scale will form and will cause the water to become cloudy.

Stabilizer -(Cyanuric Acid)

For outdoor pools, chlorine residuals can be protected from destruction by

sun's rays by addition of stabilizer (cyanuric acid).

• Maintaining high salt and sanitizer levels above recommended range can contribute to corrosion of pool equipment.

• Check the expiry date of the test kit as test results may be inaccurate if used after that date.

• If additional sanitizer is required due to heavy bather load, use a pool sanitizer based on

Trichloro-s-triazinetrione or sodium dichloro-s-triazinetrione dihydrate. HOCL - A very effective killer of algae and bacteria known as hypochlorous acid.

TROUBLESHOOTING GUIDE

PROBLEM	CAUSE	REMEDY
INSUFFICIENT SANITIZER	 Insufficient operating hours of the saltwater system. Insufficient salt concentration in the saltwater tank. Sanitizer loss due to intense sunlight exposure. The bather load has increased. 	 Increase the saltwater system operating time per day. See "operating Instructions" Drain out all the water in the saltwater tank. Refill water and add salt in the saltwater tank. See "How to Add Salt" or "Removing Salt". Use Pool Cover when the pool is not use and/or when the unit is operating. Increase the saltwater system operating time per day. See "operating Instructions"
WHITE FLAKES IN THE WATER	 Excessive calcium hardness is present in pool water. 	 Drain about 20 to 25% of the pool water and add fresh water to decrease the calcium hardness.
WHITE FLAKES IN THE WATER	 Forgot to install baffle adaptor. Filter cartridge dirty. Heater or the other accessories are in use simultaneously. 	 If the pool height is 107 cm (42") and above, read manual instruction and install the suitable size of baffle adaptor. Clean or replace the cartridge. Disassemble the heater and accessories within the circulation line.
SALT WATER LEVEL INSIDE THE SALTWATER TANK DROP TOO FAST.	Pool water level is too low.	 Fill the pool with more water. Remove the baffle adapter B from the saltwater system outlet (if any).

IMPORTANT

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

SAFETY GUIDELINES

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.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

LIMITED WARRANTY

Your Krystal Clean Poolwater™ Low-Salt Automatic Saltwater System 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 Clean Poolwater™ Low-Salt Automatic Saltwater System.

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 Clean Poolwater™ Low-Salt Automatic Saltwater System 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

DANGER

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 CENTRE LOCATIONS

OODITI INILO/INLOIONO	OLIVIOL OLIVINE LOCATIONO
• UNITED STATES	NTEX RECREATION CORP.
CANADA	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.
MEXICO	Avenida San Jeronimo #550-5° Piso. Col.
	Jardines del Pedregal, C.P. 01900
	México D.F
	Tel: 01-800-347-4020 (Collect Call)
	Tel: 55-9172-8035
	Fax: 55-9172-8047
	E-mail: servicenter@kayinternacional.com
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• NICARAGUA	Fax: 507-315-0114
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For answers to most frequently asked quest	Website: www.intexdevelopment.com tions, please visit www.intexcorp.com .

INTEX®

For Residents of the U.S. & Canada:

INTEX RECREATION CORP.

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For Residents outside of the U.S. and Canada: Please refer to the Service Center Locations

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