



***OWNER'S
MANUAL
2007***

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**Aruba Customer Service
1-800-609-2227**

**Smart Protect Warranty
1-877-877-2087**

Dear Aruba Customer,

Thank you for purchasing an Aruba Spa. At Aruba Spas our philosophy is simple, build the best spa, back it with an excellent warranty and comprehensive customer service. The 2007 Aruba Spa includes many features which are designed to ensure that your spa is dependable and simple to operate. This manual will guide you through the set-up, installation and start-up of your new spa. It will explain how to operate and care for your spa. We believe reading this entire owner's manual is the simplest way to ensure the full enjoyment of your new Aruba Spa. It is most important that you read and follow the **SAFETY INSTRUCTIONS** included in this manual. You should become familiar with all of the safety guidelines listed in this manual and make sure you follow them while using your spa.

At Aruba what we know how to do best is build spas. We have learned that quality through simplicity is the best way to build a spa. We believe that knowing how your spa is built will make installing and operating it easier, so the first part of this manual explains how your spa is built. Please take the time to read this section of your owner's manual.

It is important that you keep this manual for reference purposes. We have tried to make sure this manual includes all the information you will need about your spa.

If you have any further questions or need additional information please call one of our customer service agents at 1-800-609-2227. We are certain that you will find owning an Aruba Spa as relaxing as using it.

HOW YOUR ARUBA SPA IS BUILT

At Aruba, building spas is our passion. We believe that quality through simplicity is the best way to build a spa. Over the years we have refined our spa construction process to achieve the best results. The secret to building a superior quality spa is simple straight forward engineering, combined with the highest quality components available. We are proud of the results that we have achieved using the methods described below and hope that knowing how your spa is made will make installing and operating it easier.

The building process starts with the shell of the spa. Aruba Spas **Perma Bond** System ensures your spa starts with a superior quality shell. The spa shell is formed by placing a heated acrylic sheet over a vacuum-former, which moulds it into the shape of the spa. Fiberglass backing is then applied to provide structural support for the acrylic shell. Our **Perma Bond** system is used to ensure a complete bond is formed between the acrylic spa shell and the fiberglass structural support. A unique type of resin is applied as a skin coat to the outside surface of the spa shell. This skin coat is then backed by an additional layer of fiberglass-reinforced resin. The skin coat forms a chemical bond between the acrylic spa shell and the fiberglass structural support. The **Perma Bond** system ensures the long lasting integrity of both the spa shell and spa surface.

After Fiberglassing, the holes for the jets are precision drilled through the spa shell. Our state of the art drilling technology smooths and flattens the rough fibreglass surface around the jet hole. This technology ensures that the jetback seats against a smooth surface for a tight fit and seal.

The plumbing system is then installed and lines are attached to each of the jets. A manifold is installed at each junction between the main plumbing line and the lines leading to the jets. Running a short line from the manifold directly beneath the jets provides the best water pressure and allows the jets to operate at their full capacity. The spa shell is then lowered into the framed cabinet or “spa skirt”. At Aruba Spas we use this innovative process to ensure the structural integrity of our spas.

The framed cabinet includes an ABS base covering a sturdy wood framed floor with wooden supports underneath the seats and stairs to provide additional strength to these areas.

The next step is an operational water test. The electronic operating system, which controls the heating, filtration and lighting system is installed and the spa is filled with water and run for 20 minutes. During this time the spa equipment and jets are tested and all of the plumbing is leak tested.

The **Perma Bond** shell is then insulated with 2 LB closed cell foam. As Aruba Spas are made in Canada we know Canadian weather conditions. With this in mind our **Tru-North** insulation system is designed to ensure Aruba Spas use enough insulation to get the maximum obtainable R factor from our insulating foam. **Tru-North** Insulation is a “dead-air space” system. It is comprised of a two pound close cell insulation sprayed on the shell, all of the plumbing and jets, as well as on the floor. The insulation is 1.5 to 2 inches thick on the shell and as much as 9 to 10 inches thick around the plumbing on the back of the seats, and at least 1 inch thick on the floor. We then put insulating foil around the spa before applying the skirt. We also attach insulating foil to the front panel. This creates a heated air space inside of the spa cabinet. This system is designed to encapsulate the warm air produced by the spa’s equipment, increasing efficiency and reducing energy consumption. Our **Tru-North** Insulation reduces the cost of operating your spa and ensures easy access to the entire plumbing system.

The final touch to the spa is the attractive spa skirt with removable corners and side panels fitted onto the frame to allow easy access to all plumbing.. The Serenade, Breeze and Escape feature a maintenance free Synthetic Skirt.

SERENADE 84" x 84" x 34"



Desert Horizon Pearl Acrylic Spa 84" x 84" x 34"
 Soothing 1,620 Litres of Water (360 gal)
 4 to 5 Seats with a Lounger
 Aware Stereo System - 2 Pop-Up Rotational Speakers
 Top-Mounted Deluxe Digital Control Panel
 49 Chrome Finished Jets:
 1 Cyclone Super Whirlpool Jet
 4 Massage Jets
 4 Luxury Swirl Jets
 2 Luxury Directional Jets
 4 Micro Directional Jets
 6 Micro Swirl Jets
 16 Euro Jets
 12 Euro Spin Jets
 12 Blower Jets - 1
 Ozone Jet
 3 Pillows - Floor Drain
 5 Air Controls
 M Class Deluxe 220Volt Spa Pack with a 5.5 KW Heater
 2 Ultra Power 2.5 HP, 56 frame, 2.5" intake, 2 Speed Pump
 Plumb Rite 2.5" Water Supply System
 1.5 HP Blower Motor
 LED Waterfall with on/off valve
 2 LED Spa Mood Lights 4 LED Mini Accent Lights
 Aroma Therapy Injector
 Easy Access Vertical 75 sqft Filter
 1/15 HP Circulation Pump
 "In Zone" Corona Ozonator with Ozone Injection Chamber
 Perma Bond Acrylic Shell
 Synthetic Skirt
 Tru-North Insulation System
 2lb Closed Cell Foam Insulation
 Thermal Walls
 ABS Floor
 4" - 3" R-16 Spa Cover

BREEZE 84" x 84" x 34"



Majestic Sky or Cinnabar Mineral Acrylic Spa 84" x 84" x 34"
 Soothing 1,620 Litres of Water (360 gal)
 7 to 8 Seats
 Top-Mounted Digital Control Panel
 39 Hydrotherapy Jets:
 1 Cyclone Super Whirlpool Jet
 2 Massage Jets
 2 Luxury Swirl Jets
 4 Luxury Directional Jets
 6 Micro Directional Jets
 8 Micro Pulse Jets
 16 Euro Jets
 1 Ozone Jet
 4 Air Controls
 S Class 220Volt Spa Pack with a 5.5 KW Heater
 Ultra Power 4 HP, 56 frame, 2.5" intake, 2 Speed Pump
 Plumb Rite 2.5" Water Supply System
 LED Waterfall with on/off valve
 LED Spa Mood Light
 Aroma Therapy Injector
 Easy Access Vertical 75 sqft Filter
 1/15 HP Circulation Pump
 Corona Ozonator with Ozone Injection Chamber
 Perma Bond Acrylic Shell
 Synthetic Skirt
 Tru-North Insulation System
 2lb Closed Cell Foam Insulation
 Thermal Walls
 ABS Floor
 4" - 3" R-16 Spa Cover

ESCAPE 84" x 84" x 34"



Majestic Sky Acrylic Spa 84" x 84" x 34"
 Soothing 1,620 Litres of Water (360 gal)
 7 to 8 Seats
 Top-Mounted Digital Control Panel
 28 Hydrotherapy Jets:
 2 Massage Jets
 2 Luxury Swirl Jets
 10 Micro Directional Jets
 8 Micro Pulse Jets
 6 Euro Jets
 1 Ozone Jet
 2 Air Controls
 S Class 220Volt Spa Pack with a 5.5 KW Heater
 Ultra Power 3 HP, 56 frame, 2.5" intake, 2 Speed Pump
 Plumb Rite 2.5" Water Supply System
 Waterfall with on/off valve
 Spa Mood Light with 5 Lenses
 Aroma Therapy Injector
 Easy Access Vertical 75 sqft Filter
 Corona Ozonator with Ozone Injection Chamber
 Perma Bond Acrylic Shell
 Synthetic Skirt
 Tru-North Insulation System
 2lb Closed Cell Foam Insulation
 Thermal Walls
 ABS Floor
 3" - 2" R-12 Spa Cover

SPECIAL INSTRUCTIONS

The highlighted terms are used throughout this manual to indicate facts that are particularly important for your safety, and for maintaining your spa in good working order.

HAZARD

Denotes risk of personal injury.

WARNING

Denotes a circumstance that could cause personal injury or a circumstance where damage to the spa's surface, structure or equipment could occur.

IMPORTANT

Denotes extremely important information.

HYPERTHERMIA

Hyperthermia occurs when the internal temperature of the body reaches a level several degrees above the normal temperature of 37 degrees C (98.6 degrees F). The symptoms of hyperthermia include drowsiness, lethargy due to an increase in the internal temperature of the body. The effects of hyperthermia include:

- Unawareness of impending heat
- Failure to perceive heat
- Failure to recognize the need to leave the spa
- Fetal damage in pregnant women
- Unconsciousness and danger of drowning

HAZARD

The use of alcohol or drugs greatly increases the risk of hyperthermia in spas.

IMPORTANT SAFETY INSTRUCTIONS

**IMPORTANT
SAVE THESE INSTRUCTIONS
POST IN VIEW OF SPA**

WARNING

Read these safety instructions before using your spa.

WARNING: CHILDREN SHOULD NOT USE SPAS OR HOT TUBS WITHOUT ADULT SUPERVISION.

WARNING: DO NOT USE SPAS OR HOT TUBS UNLESS ALL SUCTION GUARDS ARE INSTALLED TO PREVENT BODY HAIR ENTRAPMENT.

WARNING: PEOPLE USING MEDICATIONS AND/OR WHO HAVE AN ADVERSE MEDICAL HISTORY SHOULD CONSULT A PHYSICIAN BEFORE USING A SPA OR HOT TUB.

WARNING: PEOPLE WITH INFECTIOUS DISEASES SHOULD NOT USE A SPA OR HOT TUB.

WARNING: TO AVOID INJURY, EXERCISE CARE WHEN ENTERING OR LEAVING A SPA OR HOT TUB.

WARNING: DO NOT USE DRUGS OR ALCOHOL BEFORE OR DURING THE USE OF A SPA OR HOT TUB TO AVOID UNCONSCIOUSNESS AND POSSIBLE DROWNING.

WARNING: PREGNANT OR POSSIBLY PREGNANT WOMEN SHOULD CONSULT A PHYSICIAN BEFORE USING A SPA OR HOT TUB.

WARNING: WATER TEMPERATURE IN EXCESS OF 38 DEGREES C (100.4 DEGREES F) MAY BE INJURIOUS TO YOUR HEALTH.

WARNING: BEFORE ENTERING A SPA OR HOT TUB, MEASURE THE WATER TEMPERATURE WITH AN ACCURATE THERMOMETER.

WARNING: DO NOT USE A SPA OR HOT TUB IMMEDIATELY FOLLOWING STRENUOUS EXERCISE.

WARNING: PROLONGED IMMERSION IN A SPA OR HOT TUB MAY BE INJURIOUS TO YOU HEALTH.

WARNING: DO NOT PERMIT ELECTRIC APPLIANCES (SUCH AS LIGHT, TELEPHONE, RADIO, OR TELEVISION) WITHIN 1.5 METERS (5 FEET) OF A SPA OR HOT TUB.

CAUTION: MAINTAIN WATER CHEMISTRY IN ACCORDANCE WITH MANUFACTURE'S INSTRUCTIONS.

WHAT IS INCLUDED WITH YOUR SPA

Your spa comes complete with the following items:

- Aruba Spa Owner's Manual
- Spa Pack Quick Reference Card
- Instructional DVD
- Tapered Grey Spa Cover with locks and Spa Cover
- Aqua Flo Flow-Master Owners Manual
- Aruba Spas Limited Warranty Registration
- Allen Key
- Aromatherapy Beads
- Ozonator Manual
- Omni Chemical Start-up and Maintenance Guide

SERENADE AND BREEZE ONLY:

- Aqua-Flo Circ-Master Owner's Manual
- Sloan LED Tech Guide

Please check to make sure you have received all these items. In addition, if you have ordered any extra accessories please check to make sure that they have been included with your spa.

TOOLS REQUIRED FOR INSTALLATION

- Voltmeter
- Ammeter
- Ohmmeter
- Screwdrivers (Phillips & flat head)
- 2 wire restrainers
- Wire cutters
- Wire strippers

A certified Electrician will have the necessary tools.

ITEMS REQUIRED FOR THE INSTALLATION OF YOUR SPA

- At least four people are required at time of delivery to place your spa into position. If you do not have 7' wide and level access to spa position, you will need more people.
- 220 Volt Electrical Service
- An Electrician to do the electrical connection.
- 50 Amp GFCI circuit breaker for 220V Spas.
- #6 AWG 3 wire (plus ground) for 220V Spas.
- An Allen Key to open and remove the access panel. (Supplied by Aruba Spas)

Your spa is self-contained. You can place it on a deck, patio, in your yard, or indoors. Proper site location is an important element of the overall enjoyment of your new spa, so make sure you take enough time to properly plan out the positioning of your spa. The following information is provided to help you determine where to place your spa. If you have any questions or concerns about where to locate your spa, please contact our customer service department at 1-800-609-2227

You may also wish to think about the following considerations before installing your spa:

- Location to facilitate adult supervision if children are using the spa
- Location relative to trees (falling leaves and shade)
- Exposure to sunlight
- Landscaping and night-time lighting
- View from your house
- Wind direction
- Storage area for maintenance equipment and chemicals
- Adjustment of sprinklers so they do not hit spa or spa cabinet

IMPORTANT

Building your spa into a deck or an enclosed room is the responsibility of the spa owner should it need to be removed for warranty work.

Also ensure that the front access panel is readily available for maintenance or should service work be required.

WARNING

One must support the entire base of the spa, from the outside edges to the center, to support its weight. Improper placement or support of your spa may void the warranty.

WARNING

Extended exposure to direct sunlight will damage the acrylic spa shell and void the warranty.

INDOOR INSTALLATION

Before attempting to place the spa indoors check the door openings to ensure that they are large enough for the spa to fit through. In addition, you must have the structure checked for its loading capacity by an Engineer or competent Contractor. The minimum loading capacity required is 100 lbs per square foot. The spa should be placed in a well-ventilated area so that excess condensation can be removed from the area where the spa is located. Locate the spa so the equipment door is readily accessible for maintenance and service needs, and ensure you have an area with proper drainage.

WARNING

Do not permit electric appliances (such as light, telephone, radio, or television) within 1.5 meters (5 feet) of a spa or hot tub.

YARD INSTALLATION

IMPORTANT

Check with your local building codes with regards to fencing and gate requirements.

Position your spa above ground in an area with good drainage, on a **level** surface that contacts the spa fully. The ideal base is a concrete pad, however compacted gravel, paving stones or railway ties may also be used. Locate the spa so the equipment door is readily accessible. The equipment has to be above grade and not subject to flooding. If using compacted gravel, it must be on a firm level base and it must be contained in a secure wood or concrete border so that the loose gravel cannot shift once the spa is in place.

DECK INSTALLATION

Before placing your spa on a deck or other raised platform, you must have the structure checked for its loading capacity by an Engineer or competent contractor. The minimum load capacity is 100lbs per square foot.

ELECTRICAL CONNECTION

IMPORTANT

Electrical codes change from Province to Province. Check with your electrician for the electrical codes in your area. In most provinces, a spa installation requires an electrical permit.

A certified electrician must make all electrical connections to your spa, in accordance with all applicable electrical codes for your area. The spa's GFCI breaker must be sized in accordance to electrical requirements of the spa. The Full Load Amperage (FLA) is recorded on the spa's nameplate.

HAZARD

Failure to use a GFCI breaker for electrical connection to your spa could result in serious harm or death. No electrical power should be available near the spa without GFCI protection.

WARNING

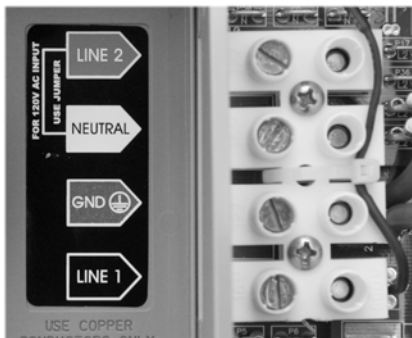
ENSURE POWER IS OFF AT THE BREAKER

ELECTRICAL CONNECTION ACCESS

To access Electrical connections:

Electrical connections are within the spa pack. There are 2 wire access points located close to the front panel on each side of the spa. The electrical requirements are 220V with a neutral for the Serenade, Breeze and Escape Spas.

**CONNECTION FOR AN S-CLASS PACK
(Breeze and Escape)**



**CONNECTION FOR AN M-CLASS PACK
(Serenade)**



Important Safety Instructions

SAVE THESE INSTRUCTIONS

1. Read and follow all instructions.
2. A ground terminal is located on the power connection terminal block. To reduce the risk of electric shock this terminal must be connected to the grounding means provided in the electric supply service panel with a continuous copper wire equivalent in size to the circuit conductors supplying this equipment or as required by local electrical codes. All field installed metal components such as rails, ladders, drains or other similar hardware within 3 meters of the spa shall be bonded to the equipment grounding bus with copper conductors no smaller than #6 AWG wire.

Before performing the operations in this section, make sure you have read and understood all of the previous instructions set forth in this manual. Make sure the spa has been installed correctly, including electrical wiring connections as specified in the previous sections. The following procedures must be done in the order they are listed.

WARNING

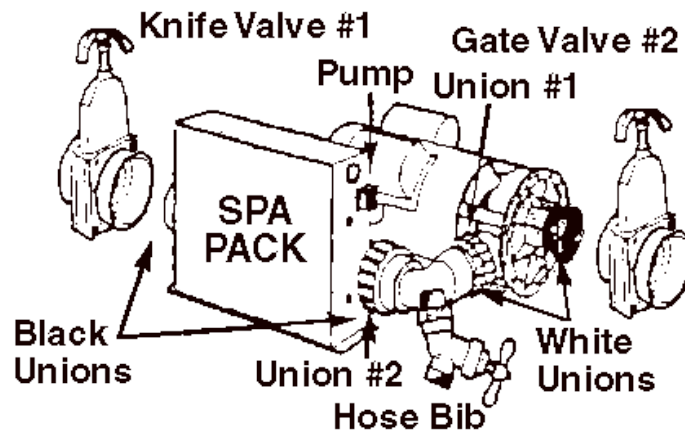
Unions must be hand tightened before filling the spa with water. Failure to do so may cause the unions to leak, which can damage the spa pack, and voids the warranty.

THINGS TO CHECK BEFORE TURNING ON THE POWER TO THE SPA:

1) Make sure the spa is clean, and that there is no foreign material in the spa.

2) Check all unions (Escape: 4, Breeze: 6, Serenade: 8) and ensure that they are hand tight. There are two white unions on the pump: one on the inlet side and one on the discharge side. See equipment diagram. There are also two black unions located on each end of the stainless steel heater barrel. The unions can come loose during shipping, and may need to be tightened. Do not over tighten the unions. If a union leaks after being hand tightened close the knife valves to stop the flow of water. Loosen the union that is leaking and inspect the O-ring for a possible crimp. Reinstall the O-ring and retighten the union.

The power to the spa must be turned off before closing the knife valves and loosening the unions to check the O-ring.



3) To fill your spa, remove the weir basket, remove the filter and place garden hose directly in the filter canister. The Escape, Breeze and Serenade spas hold 360 gallons (1620 litres) of water. You will notice that there is an **indented wave** in the spa. This is the **water line**. It is important that you maintain your water at this level.

INITIAL START UP

Before proceeding with the initial start-up, make sure you have completed the start-up preparations from the previous section. The following procedures must be done in the order they are listed.

WARNING

Do not run the pump until the spa is full of water. Running the spa pump without water could cause damage to the operating system and void the warranty.

HAZARD

This system should be set to maintain a water temperature NO GREATER THAN 40° CELSIUS (104°F).

- 1) Make sure all of the jets are in the full open position, (refer to Hydrotherapy Jets, page 34).
- 2) The Electronic Operating System spa control has automatic functions that operate upon start-up and normal operation to protect the system.
- 3) With the breaker in the “On” position check to see if water is circulating and pump is running. If not then you must turn the power off to prime the pump. To prime the pump turn union #1 slowly 1/2 to 1 turn to release air, being careful not to open too far. If you are sure that you have released the air lock, retighten the union and turn the power on. The pump must be primed every time the water is changed. To ensure the pump is primed on the Escape check to see if water is coming out from the jets. With the Breeze and Serenade make sure the filter skimmer is sucked below the water level.

WARNING

Only turn union one turn

4) Press the pump button on the control panel to test if the pump is changing from low to high-speed, (refer to Escape/Breeze(p.22) and Serenade(p.25) Spa Operations Guide). You will be able to tell the difference between low and high-speed by the sound of the water moving through the spa's plumbing system. Press the pump button again to return the pump to low speed.

5) Once the water has reached the set temperature add chemicals to adjust the water balance (see Chemical Maintenance, page 40-44).

6) If you experience any problems with the procedures above contact an Aruba customer service agent.

7) After your spa is operational you must install the Spa Cover latches. The locks will already be attached to the end of the straps. Position the tie strap so it is fully extended, without stretching. Locate the 2 holes on the locking mechanism, marking them with a pen. Remove the locking mechanism from the strap and fasten to the spa.

HAZARD

Never leave an uncovered spa unattended, and never leave a covered spa unlatched.

SPECIAL COLD WEATHER START UP PREPARATIONS

When installing your spa in cold weather, (0°C, 32°F or colder) do the following before adding water:

- Check to ensure that the knife valve moves up and down freely, leaving in the up position and leaving the gate valve in the open position.
- Check the unions to ensure there is no frozen water blockage and retighten.

If either of these checks indicate that there may be some frozen water, then connect your garden hose to a hot water connection and begin your initial water fill with warm water following the start-up instructions on page 19. The warm water will thaw the residual frozen water and allow these parts to move freely. You could also place a space heater, with a thermostat, on the inside of the skirt, warming the cavity of the spa and thawing any residual water left in the pump and pipes.

S-CLASS TOPSIDE CONTROL



STARTING THE JET PUMP

Press **Pump** button to turn pump on at low speed. Press a second time to change the pump to high speed. A third time turns the pump off. A built-in timer automatically turns pump off after 20 minutes.

The “**Pump**” indicator lights up when the pump is on.

Note: If the spa is in heat mode, the pump will not turn off until the water has reached the set temperature.

TURNING THE LIGHTS ON

Escape Press **Light** key to turn light on. Press a second time to turn light off. A built-in timer will automatically turn light off after 2 hours.

Breeze Press **Light** button to turn **9 Colour LED** light on. Press the **Light** button a second time to turn the LED light off. Press the **Light** button on and then off to scroll through the colour selection. A built-in timer will automatically turn light off after 2 hours.

The “**Light**” indicator lights up when light is on.

SETTING WATER TEMPERATURE

Press **Up** or **Down** arrow button to regulate water temperature. Press and hold **Up** button to increase, or **Down** button to decrease current temperature setting. The temperature setting will be displayed for 5 seconds to confirm your new selection .

The “**Set point**” indicator displays the desired temperature. NOT the current water temperature.

The spa’s thermostat is to provide you with optimum control of the spa water temperature. This temperature set point can be adjusted by 1° increments from 15°C (59°F) to 40°C (104°F).

AUTOMATIC WATER HEATER START

When water temperature is 1/2°C (1°F) lower than the Set Point, the heater will automatically turn on until water temperature reaches the Set Point plus 1/2°C (1°F).

The “**Heater**” indicator lights up when the heater is on.

PROGRAMMING FILTER CYCLES

Proper filtration is an important key to maintaining the clarity of your spa’s water. The filter system is designed for unsurpassed effectiveness at removing debris and suspended particles from the water while the water is circulating.

Escape This system automatically performs two filter cycles per day, at 12-hour intervals. During a filter cycle, the pump is activated for a programmed number of hours.

Press and hold **Light** button for 5 seconds. The display will show a value that represents the filter cycle duration in hours.

Use **Up** or **Down arrow** button to change setting.

0 = no filtration

12 = continuous filtration

When the desired setting is displayed, press the **Light** button again. The filter cycle will start.

The “**Filter**” indicator lights up when a filter cycle is on.

IMPORTANT

After a power failure, the filter cycle duration will return to its default value (2 hours). In this case the first filter cycle will start 12 hours after power has been restored.

To prevent excessive water temperature caused by too long filter cycles, the system will cancel a filter cycle after 1 hour if water temperature raises more than 2 °F (1°C) above “Set point”. In this case, the “Filter” indicator will flash.

Breeze This system use a 1/15 HP Circulating Pump to continuously circulate water through the filters.
The Circulation Pump needs to be activated for continuous filtration. The filter cycle comes with a default setting of 2 hours and must be change to 12 hours, whenever the power is turned on or reset.
Press and hold **Light** button for 5 seconds. The display will show a value that represents the filter cycle duration in hours.
Use **Up arrow** button to change setting to 12 = continuous filtration.
When the desired setting is displayed, press the **Light** button again. The circulating pump will start filtering.
The “**Filter**” indicator lights up when the circulating pump is filtering.
This filtration system also turns on the main pump for 1 minute every twelve hours in order to purge the water from all of the plumbing lines, ensuring complete water filtration.

IMPORTANT

The circulation pump will ONLY shut off if the water temperature raises more than 3 ° F above the “Set point” temperature

After a power failure, the filter cycle duration will return to its default value (2 hours). In this case the first filter cycle will start 12 hours after power has been restored. You must reprogram the filter cycle to 12 hours for continuous filtration.

CHANGING TEMPERATURE DISPLAY

Press and hold LIGHT button for 10 seconds to display water temperature in either Fahrenheit (F) or Celcius (C).

M-CLASS TOPSIDE CONTROL



STARTING PUMP

Press **JETS 1** button to turn Pump 1 on low speed. Press a second time to change the Pump 1 to high speed. A third time turns Pump 1 off. A built-in timer automatically turns Pump 1 off after 20 minutes. The “**Jets 1**” icon lights up when Pump 1 is on at high speed. It flashes when Pump 1 is on at low speed.

STARTING PUMP 2

Press **JETS 2** button to turn Pump 2 on low speed. Press a second time to change the Pump 2 to high speed. A third time turns Pump 2 off. A built-in timer automatically turns pump off after 20 minutes. The “**Jets 2**” icon lights up when Pump 2 is on high speed. It flashes when Pump 2 is on at low speed.

STARTING THE BLOWER

Press the **AIR** button to turn the blower on at high speed. Pressing a second time turns the blower to low speed. A third time turns the blower off. A built-in timer automatically turns the blower off after 20 minutes. The “**Air**” icon lights up when blower is on at high speed. It flashes when blower is on at low speed.

TURNING THE LED LIGHT ON

Press **LIGHT** button to turn **9 Colour LED** light on. Press the **LIGHT** button a second time to turn the LED light off. Press the **LIGHT** button on and then off to scroll through the colour selection. A built-in timer will automatically turn light off after 2 hours. The “**Light**” indicator lights up when light is on.

SETTING WATER TEMPERATURE

Use **WARMER** and **COOLER** buttons to regulate water temperature. The temperature setting will be displayed for 5 seconds to confirm your new selection.

The “**Set Point**” symbol indicates the desired temperature. **NOT** the current water temperature!

The spa’s thermostat is to provide you with optimum control of the spa water temperature. This temperature set point can be adjusted by 1° increments from 15°C (59°F) to 40°C (104°F).

AUTOMATIC WATER HEATER START

When water temperature is 1/2°C (1°F) lower than the Set Point, the heater will automatically turn on until the water temperature reaches Set Point plus 1/2°C (1°F).

The “**Heater**” icon lights up when the heater is on. It flashes when there is a request for more heat but the heater has not yet started.

TEMPERATURE DISPLAY UNIT

Press and hold **LIGHT** button for 5 seconds to display water temperature in either Fahrenheit (°F) or Celsius (°C)

TIME & TEMPERATURE DISPLAY

The display toggles every 5 seconds alternately showing the hourly time and the current water temperature.

IMPORTANT

An irregularly flashing “**Filter Cycle**” icon means that the system has stopped filtering after 3 hours because water temperature exceeds Set Point by more than 2 °F (1° C). If temperature cools down to 1°F (.05°C) above Set Point before the scheduled end of the cycle, filtering will resume for the remainder of the programmed duration. This can also mean that the spa is in “Smart Winter Mode”.

7 STEP PROGRAMMING SEQUENCE

Step 1 -Time of day

Setting the time:

- 1) Enter Programming mode by pressing on **PROG.** button for 2 seconds.
- 2) The display will show the current setting.
- 3) Use the **WARMER** and **COOLER** buttons to change setting

Step 2 & 3 - Filter cycle start time & duration

This system use a 1/15 HP Circulating Pump to continuously circulate water through the filters.

The system automatically performs two 12 hour filter cycles per day. At the beginning of each filter cycle, pumps 1 & 2 and the blower will run for one minute. The Circulation pump will then run for 12 hours.

The “**Filter Cycle**” icon lights up when a filter cycle is on.

To program a filter cycle you must enter:

- The time you want the cycle to start
- The duration of the cycle. The Serenade has a circulation pump so **the duration must be set to 0**, in order for the circulation pump to filter continuously.

IMPORTANT

Never set the duration above 0 when spa has a circulation pump.

Setting filter cycle start time:

Press **PROG.** button a second time.

The display will show FSxx. With “xx” representing the starting hour. Use **WARMER** and **COOLER** buttons to set change setting.

Setting filter cycle duration:

Press **PROG.** button a third time.

The display will show FSxx, with “xx” representing the duration in hours.

Use **WARMER** and **COOLER** buttons to set duration at 0.

Step 4 – Filter cycle frequency

This system allows you to chose between 2, 3, or 4 filter cycles every 12 hours. With a circulation pump the filter cycle frequency determines how many times a day the system will purge itself, by turning on pumps 1 & 2 and the blower on for one minute.

Setting Filter Cycle frequency:

Press the **PROG.** button a fourth time.

The display will show **FFxx**, with “xx” representing the frequency per day.

Use the **WARMER** and **COOLER** buttons to change the setting.

Steps 5 & 6 –Economy mode start time & duration*

Setting Economy mode start time:

Press **PROG.** button a fifth time

The display will show **Esxx**, with “xx” representing the starting hour.

Use the **WARMER** and **COOLER** buttons to change the setting.

Setting Economy mode duration:

Press **PROG.** button a sixth time

The display will show **Edxx**, with “xx” representing the duration in hours.

Use the **WARMER** and **COOLER** arrows to change the setting.

Step 7 – Storing settings in memory:

Press **PROG.** key a seventh time to store settings in the system’s non-volatile memory and to return to Normal mode.

DIGITAL CONTROL PAD LOCKOUT

This function allows you to prevent unauthorized parameter setting of the unit. This feature is especially helpful when young children have access to the keypad.

There are two modes you can choose from: Full lock or Partial lock. Full lock means that all keypad functions are locked. Partial lock means that the basic functions of the spa will remain accessible (pumps, blower, and light), but it will be impossible to change the

temperature Set Point, to override the Economy mode or to enter the Programming mode.

When control pad is locked, the “**Lock**” icon will be displayed.

LOCKING YOUR DIGITAL CONTROL PAD

Press and hold **JETS 1** button for 5 seconds.

The display will show **LocP**, with “P” representing partial lock.

Release the button and the keypad will be in Partial lock mode. Keep button pressed down for 5 more seconds if you want to be in Full lock mode. The “**LocF**” message will then be displayed.

When control pad is locked all automatic functions of the system run as usual. If a button is pressed down, a “**LocP**” or “**LocF**” message will be displayed for 1 second. To unlock the keypad, simply press and hold **JETS 1** button again for 5 seconds.

ECONOMY MODE

Press **MODE** button to switch from Normal mode to Economy mode. To save energy, the Economy mode Set Point is 20°F (11°C) below the Normal mode **Set Point**.

The “**Economy Mode**” icon lights up when Economy mode is on.

There are 3 available Economy operating modes:

NoEc: No Economy mode

Ec1: Economy mode always on

Ec2: Economy mode on during a programmed number of hours (see Steps 5 & 6*)

Selecting the desired Economy mode:

Press and hold **MODE** button for more than 2 seconds.

The display will show the current mode: **NoEc**, **Ec 1** or **Ec2**.

Keep the button pressed down until the desired mode is displayed.

After 5 seconds, the new setting will be programmed and the display will revert back to time and temperature.

INVERTED DISPLAY

Press and hold **JETS 2** button for 5 seconds to invert the display. Note that the °F or °C icon is not displayed in reverse mode. Follow the same procedure to return to default mode. If a power-up occurs, the display always returns to default mode.

The Escape/Breeze and Serenade control systems are self-diagnostic. The system will automatically display flashing indicators if a problem is detected.

NO DISPLAY AT TOPSIDE

Check that the topside is correctly plugged into spa pack and that the power is on.

Make sure there are no cuts in the cord leading to the pack and that all the wires are still attached to the plug at the spa pack.

If problem persists contact Smart Protect Warranty.

WARNING
ENSURE POWER IS OFF AT BREAKER BEFORE OPENING SPA PACK.

DISPLAY IS FLASHING

A power failure must have occurred and the spa pack has returned to its default values. Press any key to stop the flashing and then reprogram the filter cycle and adjust heat.

FILTER ICON IS FLASHING

Pump has started up for 1 minute on several occasions and “Filter” indicator is flashing - This is a feature of the SMART WINTER MODE. It protects your spa from the cold by turning the pump on for 1 minute several times a day to prevent water from freezing in the pipes. The filter may be suspended due to overheat protection.

WATER TEMPERATURE IS FLASHING

This indicates that the spa water temperature is over 112° F (44°C).

DO NOT enter the water! Remove spa cover and allow the water to cool down. The system will reset itself when the water temperature reaches 109°F (43°C)

Call Smart Protect Warranty if the problem persists.

GROUND FAULT CIRCUIT INTERRUPTER TRIPS (GFCI)

Be sure that the neutral on the GFCI has been wired properly in the main panel.

ENSURE POWER TO THE SPA HAS BEEN TURNED OFF

Unplugging the heater, pump, ozonator, or any other peripheral equipment from the pack as a process of elimination to see where the fault may be.

Check if it does it only when heat turns on, if so check element by removing the power to the element terminal and turn the heat on. If it only faults when the element is connected with power, the element has a ground fault and must be replaced.

3 FLASHING DOTS ARE DISPLAYED

A PROBLEM HAS BEEN DETECTED.

Do NOT enter the water!

Check to ensure knife valves and gate valve are in the open position.

Clean the filter if necessary.

Check the water level and ensure it is at the water level line. Add water if needed.

Shut power off and power up your spa again to reset the system to default values. Reprogram your settings. If 3 dots are still flashing, check high limit indicator light, located on the circuit board inside the spa pack. (It is a very bright L.E.D. red light that is easy to see when the pack cover is open).

If this light is on, your spa has overheated, please call Smart Protect Warranty.

If this light is not on, refer to adjusting the pressure switch on page 32.

IMPORTANT

Pressure switch adjustments may be a normal part of maintenance of your spa. Pressure switch adjustments are NOT covered by warranty.

BREEZE/SERENADE:

How to adjust the pressure switch if the 3dots error code is flashing on the topside controller **when you have a circ system** (1/15Hp circulating pump).

1. Before adjusting the pressure switch please insure that there is **proper water flow** (the filter cycle must be on). You determine **proper water flow** by looking at the weir skimmer that is attached to the filter basket. If the weir is above the water level then the circ pump is not pumping water and you need to get the air out of the circ pump.(see Startup Preparations #3, page 19) If the weir is being sucked below the water level then there is proper water flow.
2. Check to see if the red HL (high limit) LED light on inside the spa pack is ON or OFF.

WARNING

The power must be on to check for this light, be careful not to touch any thing inside the spa pack when the power is on.

3. If the light is on – call Smart Protect Warranty. If the light is off – then go to the next step.
4. Turn the heat down below the current temperature by at least 5 degrees, after 15 seconds the circ pump will shut off. When it shuts off, do the 3 dots stop flashing?
-If YES, then try decreasing the PSI setting on the pressure switch[turn the power off to the spa, then turn the set screw on the top of the pressure switch a ½ turn at a time counter clockwise then turn the power to the spa back on, and repeat these steps until the 3 dot error code stops appearing]. Do not decrease more than 1 full turn from the original setting.
-If NO, then try increasing the PSI setting on the pressure switch. (Turn off the power to the spa then turn the set screw ½ a turn at

a time clock wise, then turn the power back on and repeat these steps until the 3 dot error code stops appearing)

ESCAPE:

How to adjust the pressure switch if the 3dots error code is flashing on the topside controller **when you DO NOT have a circ system** (1/15Hp circulating pump).

1. Before adjusting the pressure switch please insure that there is **proper water flow** (the heat cycle or filter cycle must be on). You determine **proper water flow** by looking at the weir skimmer that is attached to the filter basket. If the weir is above the water level then the heat pump is not pumping water, and you need to get the air out of the circ pump.(see Startup Preparations #3, page 19). If the weir is being sucked below the water level then there is, proper water flow.
2. Check to see if the red HL (high limit) led light on inside the spa pack ON OR OFF.

WARNING

the power must be on to check for this light, be careful not to touch any thing inside the spa pack when the power is on.

3. If the light is on – call Smart Protect Warranty. If the light is off – then go to the next step.
4. Turn the heat down below the current temperature by at least 5 degrees, after 15seconds the heat pump will shut off. When it shuts off, do the 3 dots stop flashing?
-If YES, then try decreasing the PSI setting on the pressure switch (turn the power off to the spa, then turn the set screw on the top of the pressure switch a ½ turn at a time counter clockwise then turn the power to the spa back on, and repeat these steps until the 3 dot error code stops appearing). Do not decrease more than 1 full turn from the original setting.
-If NO, then try increasing the PSI setting on the pressure switch. (Turn off the power to the spa then turn the set screw ½ a turn at a time clock wise, then turn the power back on and repeat these steps until the 3 dot error code stops appearing).

JET SELECTION

Your spa is equipped with the following jets:



Cyclone Super Whirlpool Jet
#212-2067
Chrome #212-2067S
Actual Size 4 7/8"



Swirl Jet
#900118WW
Actual Size 4.75"



Massage Jet
#940237WW
Actual Size 4.75"



Luxury Directional Jet
#940217WW
Actual Size 3.5"
Chrome #940138WW



Luxury Swirl Jet
#940218WW
Actual Size 3.5"



Ozone Jet
#215-1797
Actual Size 2"



Euro Spin Jet
Actual Size 1 7/8"
Chrome #940815WW



Micro Pulse Jets
#940223WW
Actual Size 2.5"
Chrome #900818WW



Micro Directional Jet
#940220WW
Actual Size 2.5"
Chrome #940131WW



Euro Jet
#940225WW
Actual Size 2"
Chrome #940140



Blower Jet
#670-2307
Actual Size 1 - 7/8"

Refer to ARUBA SPA MODELS on pages 8 & 9 for exact number and style of jets in your Aruba Spa.

JET OPERATION

You can adjust the volume of water from these jets by turning the faceplate counter clock wise to decrease the volume of water and clock wise to increase it.

To remove trim kits, turn face plate counter clockwise until you meet the resistance, turning past the resistance slightly and gently pull trim kit out of the jet body. To replace, just place the trim kit into the jet body and turn in clockwise.

You can change the direction of the water flow by pushing on the side of the small orifice in the center of the trim kit on the Adjustable and Micro Directional jets.

WARNING

All jet trim kits must be properly seated or airflow may be restricted.

AIR CONTROLS

There are two air controls beside the topside control panel on the Escape and five air controls on the Breeze and the Serenade. By turning these controls you may adjust the amount of air going to the jets. When fully open you are getting the maximum amount of air for full hydrotherapy action. To reduce the amount of air coming out of the jets simply close the air controls.

If your spa has gone into Smart Winter Mode the filter icon at the topside will flash. Smart Winter Mode will automatically start when the outside temperatures have dropped enough for the spa pack to reach 55° F. The pump will come on high speed for one (1) minute every two (2) hours to circulate the water. The Smart Winter Mode will run for 24 hours when activated. Smart Winter Modes will increase at the following temperatures at increased cycle times. See below:

55° - 1 minute every 2 hours

46° 1 minute every 1-hour

41° 1 minute every 30 minutes

37° and lower 1 minute every 15 minutes

These cycle times will continue for a 24-hour period minimum or until the breaker has been reset provided the ambient heat inside the pack has surpassed 55°.

Note: if you have a circulation system the Smart Winter Mode will still activate when the ambient heat inside the pack has dropped to 55°.

WARNING: During cold weather your spa should be checked daily to ensure it is operating properly. If your spa should shut down during cold weather, precautions must be taken to ensure your spa does not freeze.

IMPORTANT

IF FREEZE DAMAGE OCCURS IT IS NOT COVERED UNDER WARRANTY.

AROMATHERAPY CHAMBER

Standard feature on all Aruba Spas

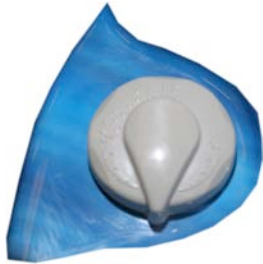


To use your aromatherapy injector:

1. Twist off the "Soothing Scents" cap located on the flange of the spa.



2. Open a package of "Soothing Scents" beads and insert the bead packet into the aromatherapy chamber.
3. Replace "Soothing Scents" cap.
4. Turn on the pump, for Serenade pump 2.
5. Make sure Jets are in the full open position.



6. Turn the air control closest to the aromatherapy chamber to the "ON" position.

WATERFALL

Standard feature on all Aruba Spas



To turn on the waterfall:

1. Turn on the pump.
2. Locate the valve next to the waterfall.
 - Turn valve counterclockwise following the direction of the arrow.
 - As the valve opens the waterfall will begin to work.



3. Opening and Closing
The valve adjusts the flow of water coming out of the waterfall.

OZONATORS

Standard Feature on all Aruba Spas

IMPORTANT

It is necessary to use Chlorine or Bromine chemical treatment with an Ozonator.

Ozone is injected into the spa's water during the filtration cycle. The ozone is injected into the water to supplement chemical sanitizers, oxidize organics and control minerals. If during a filter cycle the pump is manually turned on, the Ozonator will be suspended for 40 minutes after last pump or blower times out or is turned off. After the suspension period or duration of the filtration cycle the Ozonator will remain off until the start of the next filter cycle.

WARNING

Do not block Ozone Jet at anytime. Blocking the Ozone Jet may result in damaging the Ozonator and voiding the warranty.

12 JET BLOWER SYSTEM

STANDARD ON THE SERENADE MODEL ONLY

A 1.3 HP motor operates the blower system. When the blower is activated at the topside control panel, water is aerated through the blower jets creating small bubbles. Only air passes through these jets. When you begin your start up, ensure that the blower motor has not shifted and is plugged into the spa pack tightly. The blower will turn on every filter cycle, for 1 minute, to purge the lines.

CIRCULATION PUMP

STANDARD ON THE BREEZE AND SERENADE MODELS

A 1/15HP motor that draws about 1 amp operates the circulation system. The circulation system is pre-programmed for 2 hours. The circulation system efficiently circulates the spa water through the filtration system, as well as purging water from the lines for one (1) minute every 12 hours on high speed of the main pump. The circulation system will shut off ONLY if the water temperature exceeds the set temperature of the spa water by 3° F.

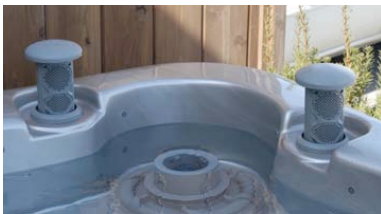
When you start up your spa ensure that both knife valves on either side of your circulation pump are in the open position (up). Open the hose bib to release any air, and then re-tighten. Ensure that the cord to the circulation pump is plugged into the spa pack tightly.

AEWARE STEREO SYSTEM

STANDARD ON THE SERENADE MODEL



The Serenade is equipped with an Aeware Marine Series stereo system, complete with AM/FM stereo, CD player and two pop up speakers. The power supply is located in the front access panel.



The pop up speakers are located on the top flange in the front right corner of the spa. Press down lightly to engage the speakers. When the stereo is not in use the speakers should be in the down position.

WARNING
MAKE SURE SPEAKERS ARE IN DOWN POSITION BEFORE REPLACING COVER ON THE SPA.

Your spa comes with a cartridge filter system. Filtering of the water helps to maintain water cleanliness and clarity. While the filter traps most solid materials, it is still necessary to add a sanitizer such as bromine or chlorine to the water to control bacteria, algae and to oxidize any organic materials in the water. This section will explain how to use bromine to maintain clean, clear and odour-free water. When purchasing from your local retailer, it is recommended that you bring a sample of your water for analysis and guidance on which chemicals you may require.

Chemicals and test strips can be purchased directly from Aruba Spas by calling us at 1-800-609-2227.

IMPORTANT

You must use either chlorine or bromine based chemicals. You may change from chlorine to bromine without emptying the tub. If you are changing from bromine to chlorine you then must empty the tub and start with fresh water. Never mix chlorine with bromine out of the water.

See initial start up procedures when using bromine or chlorine sanitizers.

INITIAL START-UP PROCEDURES

(dosages are for 360 gallons (1620 liters) of water)

1. Use your test strips or test kit to test your fill water for total alkalinity to determine any water balance adjustments necessary. Total alkalinity is the key to water balance. Balance alkalinity first and then the PH.

WARNING

Make sure you dilute all chemicals with spa water before adding them to the spa. Adding full strength chemicals to the spa may damage the spa surface and will void the warranty.

2. When filling your spa with water, add STAIN & SCALE to protect your spa against staining and scale formation on the spa walls and on the heater element. You may add Stain and Scale as often as once a week.

3. You must balance your water so that it is neither alkaline (scale forming) nor acidic (corrosive). Balanced spa water with total alkalinity in the range of 125 - 150 ppm, and 7.4 - 7.6 on the pH scale. Add ALKALINITY INCREASER to raise total alkalinity and use pH INCREASE or pH DECREASE as needed to adjust the Ph level if needed.
(see page 43 for ideal range)

WARNING

Improper chemical maintenance can damage the spa surface and/or equipment, and will void the warranty.

4. Once your water has reached the set temperature, add your choice of sanitizer, bromine (3.0 – 5.0 ppm) or chlorine (1.0 – 3.0 ppm). The importance of maintaining an adequate level of sanitizer in your spa can not be overemphasized. Warm water presents a fertile environment for the growth of bacteria and viruses. This growth is prevented when adequate sanitizer levels are continuously maintained.

(see page 43 for ideal range)

Note: It can take several days for the bromine level to stabilize because the water that you put into your spa contains impurities that need to be neutralized, thereby using up the initial bromine that is generated. You can expedite this process by shocking the water with a non-chlorine product.

WATER MAINTENANCE SCHEDULE

Weekly

1. Sanitizer - check to ensure sanitizer level is at the right range. Add sanitizer when necessary.
2. Add Stain and Scale to prevent scaling and staining.
3. Add a clarifier to spa water. This will quickly clean and brighten hazy, cloudy water caused by micro-contaminants in the water that are too small for the filter to remove.

WARNING

Sanitizers such as Sodium Tri-chlor type chlorine (tablets/sticks), calcium hypochlorite, sodium hypochlorite, or any chemical that may remain undissolved on the spa surface will damage your spa and will void the warranty completely.

4. If you are using bromine or chlorine tablets, it is also recommended to add a shock treatment on a fresh fill and weekly thereafter. If the spa has had high use during the week, an additional shock treatment would be required.

IMPORTANT

When adding a shock treatment, please insure the spa cover is left off the spa at least 30 minutes, to allow the "gassing off" process. It also saves wear and tear on your spa cover.

5. You may occasionally need to use a small amount of ANTI FOAM to reduce foaming and sudsing should it occur. Soap residue will cause foaming - rinse out bathing suits well.

CONDUCTING PROPER WATER TESTS

1. Total alkalinity is the key to water balance. Always adjust total alkalinity first, and then pH.

2. Water should be circulating before you take your sample. If the pump has been off, turn it on for a few minutes. If you are using a test kit rinse the sample vial 2 or 3 times with the spa water before you take your sample. Sample the water from 46 cm (18") below the water surface. If you are using test strips they should be immersed to a depth of 46 cm (18") and then swirled three times. Follow the manufacturers directions carefully when performing your water test with either the test strips or the test kit.

3. The ideal range for proper water maintenance is as follows:

BROMINE	3.0 - 5.0 ppm
CHLORINE	1.0 - 3.0 ppm
pH	7.4 - 7.6 ppm
ALKALINITY	125 - 150 ppm

IMPORTANT

If your bromine (or chlorine) reading is above 6.0 you may obtain a false result when testing for pH. In this case, lower the chlorine or bromine before performing any other tests.

4. Bromine (or Chlorine) levels need to be tested daily.

5. pH levels need to be tested daily.

6. The water in your spa should be hard (bypass water softener). If you suspect you have soft water, you may need a calcium increaser. Check with your local spa store.

7. Alkalinity levels need to be tested weekly.

8. Water testing should be done at home using test strips or an accurate test kit, or by taking your water to a spa or pool retail outlet and having them test your water sample (you should expect to pay a nominal fee for this service).

CHEMICAL TABLE OF EQUIVALENTS CHART

15 ml = 1 TBS
4 TBS = 1/4 cup
15 g = 1 TBS

PROBLEMS ASSOCIATED WITH IMPROPER WATER BALANCE

Low pH

- causes rapid sanitizer loss.
- causes eye irritation and itchy skin.
- corrodes equipment

Solution: add pH increaser (pH up) to raise the pH levels.

High pH

- forms scale.
- clouds water.
- reduces sanitizer efficiency.

Solution: add pH decreaser (pH down) to lower the pH levels.

Low Sanitizer Levels

- allows growth of bacteria and viruses in spa water.

Solution: refer to Chemical Maintenance, Initial Start Up Procedures, page 18.

Causes of pH change

- adding water.
- rain.
- bather load.
- adding chemicals.
- dust.
- algae

DRAINING YOUR SPA

Drain and re-fill the spa as indicated below:

Average Use: Every 60 - 90 days

Heavy Use: Every 30 days

After Parties: Drain

Aqua Pure Water System: Every 12 months or when the TDS reading is above 3500ppm

Before draining your spa you may add whirl-o-clean to the warm water and start the pump for about 30 minutes with the air controls off. This will help in eliminating grease and oils in the plumbing and jets.

WARNING

Do not leave your spa exposed to direct sunlight when there is no water in the spa. Exposure to direct sunlight could damage the spa shell and void your warranty.

To drain the spa,

1. Turn off all power to your spa.
2. Attach a hose to the hose bib located inside the skirt beside the pack and gravity drain by the siphon method.
3. Clean the surface (see "Spa Surface" later in this section).
4. Refill the spa. Follow the initial start-up procedures to re-prime the spa on page 18.

FILTER CLEANING

1. Your spa is equipped with a top access filter. To access the filter cartridge, remove the skimmer basket and filter cartridge. **Do not remove when the pump is running.**
2. Once a week remove filter, hose it off well and replace it in to the filter canister. Every 4-6 weeks properly clean your filter in a filter cleaner solution. Soak 4-6 hours (or overnight), rinse well and let dry before replacing it.
3. Once cleaned, re-install filter cartridge and skimmer basket.
4. How often the cartridge filter needs to be cleaned depends largely upon how many bathers are using the hot tub. With average use we recommend cleaning the cartridge filters approximately every 4-6 weeks. However, more frequent or greater numbers of people may require more frequent cleaning.

WARNING

Make sure you replace your filter cartridge at least once every six months.

IMPORTANT

Be sure to thoroughly rinse the filter cartridge to thoroughly remove any cleaning agents. If this is not accomplished, foaming of the water may occur during the filter cycle of the hot tub.

SPA SURFACE

Your spa has a very high quality acrylic surface. Stains and dirt will generally not adhere to the surface. Do not use household products for cleaning the spa surface. Be careful of detergents as they may contain phosphates that may contaminate the water and will cause foam build-up. Also, many cleaning agents contain abrasives, which will scratch the surface, and therefore must not be used. After cleaning, be sure to rinse the surface with water to ensure all excess cleaning solution is properly diluted and removed. This will avoid unnecessary reaction of skin irritations from chemical contact to the body. Follow product recommendations. You may also wish to periodically polish the acrylic surface with spa polish (Gel Gloss).

CABINET

All Aruba Spas are equipped with Synthetic skirt, which require very little maintenance. To clean your skirt, simply use a damp cloth and warm water. Do not use anything other than water to clean your Synthetic skirt.

WARNING

Do not use orange (citrus) cleaner on your synthetic skirt as it will damage the skirt.

ABS BASE

Your Aruba Spa has a custom fitted ABS base. Should you need to store your spa before installation, ensure that the base is properly covered and out of direct sunlight as it will expand and contract with changing weather conditions.

WARNING

Base exposure to direct sunlight, while storing, could damage the ABS base and void your warranty.

COVER

With safety and convenience in mind the spa cover has been designed with child safety latches and a slope designed to create a natural run-off for rainwater. Please ensure the use of spa straps and latches to secure the cover when not in use. This will help to discourage unsupervised children from entering the spa and keep the spa cover secure in high-wind conditions.

DO NOT allow snow to build up on the cover as it is not intended to bear weight. Weight on the cover may cause the edges of the cover to curl, or progressively warp and bow the cover, or in extreme cases cause the foam inserts to break. To avoid this, keep all weight-bearing objects off of the cover. Water and snow must be swept off to keep from accumulating or puddling on the cover. Should puddling occur, unzip the vinyl, remove the foam insert, turn it over and re-insert it.

WARNING

The cover is not a safety cover. Do not stand, sit or lie on it or permit any heavy weight to rest on it. This will damage the cover and void the warranty.

The thermal cover should be cleaned regularly. As often as is necessary wash the cover with a mild soap and rinse with clean water. All vinyls contain plasticizers, which must be maintained to prevent drying out, cracking, flaking and deterioration. These plasticizers migrate out and escape naturally through time. Sun and cold speed up this process. Application of a vinyl cleaner and conditioner(Ultra Shine) at least once a month will retard this deterioration.

IMPORTANT

Fading and discolouration of the spa cover will occur naturally with extended exposure to the sun.

The vinyls used in your spa cover are marine treated, but will deteriorate faster when exposed to high levels of chlorine, bromine, ozone or other active chemicals. Each time Chemicals are added, remove the cover completely and place it far enough away so that splashing will not reach the cover.

The cover handles and tie downs are double reinforced with thick vinyl coated rip-stop PVC material. However, mistreatment by sudden jarring motions can damage them. To prevent damage, any handling of the cover must be done in a gentle manner.

WARNING

Do not use solvents, petroleum based products, abrasive cleaners or strong detergents. Do not use products that contain silicone or alcohol. Use of these products will damage the cover and void the warranty.

SPECIAL COLD WEATHER INSTRUCTIONS

Your spa is designed for year round use and winter operation. Winter is also perhaps the most enjoyable season for spa use. We also recommend continuous operation throughout the winter months because it is very difficult to get water out of all of the plumbing lines. If for some reason you must close down your spa in the winter we recommend you winterize it as follows:

1. Drain your spa completely. You may tip your spa on edge (Equipment Side Down) and use a wet vacuum or blower to evacuate as much water as possible from the spa. The idea is to get all the water out of the plumbing lines and equipment.

WARNING

Any damage caused to the spa by freezing, once it has been drained for the winter, is not covered by warranty.

2. Once the spa is completely drained, open the hose bib and loosen the unions to allow the water to expand freely within the system. Also, remove the drain plug on the bottom of the pump. This should prevent any ice from expanding and damaging drainpipes and fittings. The key is to eliminate any sealed areas in the system that may contain water. Your local pool and spa retailer may provide this service at a nominal fee.

3. If you receive a heavy snowfall during the winter, you may want to build a temporary cover over the top of your spa. This can be done with 1/2" sheets of plywood supported by 2' x 4' cross members.

WARNING

During cold weather your spa should be checked on daily to ensure it is operating properly. If your spa should shut down during cold weather, all precautions must be taken to ensure your spa does not freeze. IF FREEZE DAMAGE OCCURS IT IS NOT COVERED UNDER WARRANTY

Aruba Spas has an excellent warranty program. Please read the Limited Warranty on page 52. Make sure you return the Warranty Registration Card that comes with your spa.

If you encounter a problem with your spa please take the following steps.

1. Refer to the Trouble Shooting guide on page 53. Use this guide to determine what may be wrong with your spa. This is important information to give the service technician. In addition, checking the guides will help you to determine if you need to call for warranty assistance.

2. If you need assistance in trouble shooting call Smart Protect Warranty at 1-877-877-2087

IMPORTANT

Smart Protect Warranty certificate is on page 52. Please make sure you read this document carefully. It is important to understand this warranty and its exclusions. For warranty service contact a Smart Protect Warranty service agent at 1-877-877-2087

Please complete for ease of reference.

Spa Model:.....

Spa Serial Number:.....

Spa Colour:.....

RIDGEWOOD ENTERPRISES LTD., the manufacturers of ARUBA SPAS extends this limited warranty solely to the original purchaser of any ARUBA brand spa manufactured after January 1, 2003.

FIVE YEAR LIMITED SHELL STRUCTURE and surface

Smart Protect Warranty warrants the spa against water loss due to defects in the spa shell for a period of five years from the original date of purchase. Smart Protect Warranty warrants the interior surface of the spa against blistering, cracking, or delaminating for a period of five years from the original date of purchase.

FIVE YEAR LIMITED NO LEAK

Smart Protect Warranty warrants the spa against loss of water due to defects in the fittings and plumbing lines for a period of five years from the original date of purchase.

ONE YEAR LIMITED SKIRT

Smart Protect Warranty warrants the synthetic cabinet against defects in workmanship and materials (excluding skirt finish) for one year from the original date of purchase.

TWO YEAR LIMITED SPA PAK AND PUMP

Smart Protect Warranty warrants the spa pack and pump against mechanical or electrical breakdown: parts and labour, for a period of two years from the original date of purchase.

THREE YEAR LIMITED HEATER BARREL

Smart Protect Warranty warrants the heater element against failure: labour coverage for a period of two years and parts coverage for a period of three years from the original date of purchase.

TWO YEAR LIMITED L.E.D. LIGHT

Smart Protect Warranty warrants the L.E.D. light against failure: parts coverage for a period of two years from the original date of purchase.

920 Leathead Rd

Kelowna, BC V1X 2J8 1-877-877-2087

REGISTRATION: To validate this warranty, the original purchaser must complete the warranty registration card and mail it to Smart Protect Warranty within 30 days of delivery of the spa.

PERFORMANCE: In the event of any defect covered by this Limited Warranty, Smart Protect Warranty or its authorized agent will correct such defect subject to the terms and conditions contained in this Limited Warranty. There will be no charge for parts or labour to repair the spa, although you may be **assessed reasonable repairman travel mileage charges if the spa is located outside your service agent's area. The owner of the spa will be responsible for ensuring that the technician had proper access to the spa to perform any repairs.** If SMART PROTECT WARRANTY determines that repair of the covered defect is not feasible, we reserve the right to instead provide a replacement spa equal in value to the original purchase price of the defective spa. **Removal of the defective spa and delivery and installation of the replacement spa will be the responsibility of the spa owner.** To obtain service for any defect covered by this Limited Warranty, notify SMART PROTECT WARRANTY within 30 days of its occurrence and **use all reasonable means to protect the spa from further damage.**

EXCLUSIONS: This Limited Warranty is void if the ARUBA SPA has been subjected to alteration, neglect, misuse or abuse, **FREEZE DAMAGE DUE TO NEGLIGENCE;** if any repairs have been attempted by anyone other than Smart Protect Warranty or its authorized agent; or if the failure is caused by accident, acts of God, or other causes beyond the control of Smart Protect Warranty. Neglect, misuse and abuse include any installation, operation, improper water balance or maintenance of the spa other than in accordance with the owner's manual. The Limited Warranty does not provide coverage for demonstrator, used, repurchased or reconditioned spas, spa kits, unplumbed spas, or factory seconds and/or any ARUBA SPA used for commercial use. This Limited Warranty does not provide coverage for filter cartridges, jet trim kits, fuses, pump seals, O-rings, gaskets, and light bulbs, or any item attached to, or installed on the spa after the date of manufacture. **OZONATORS, AQUA PURE WATER SYSTEMS AND SPA INSULATED COVERS AND STEREOS ARE EXCLUDED FROM THIS LIMITED WARRANTY, ALTHOUGH THEY ARE COVERED BY SEPARATE WARRANTIES BY THEIR MANUFACTURERS.**

SERVICE CHARGES: All service calls will be subject to an \$80.00 (Eighty dollars) charge. If the service work performed is covered by this Limited Warranty, the charges will be refunded. If the service work performed is not covered by this Limited Warranty, the service charges will apply to the owner of the spa. **Service or warranty work performed outside the city limits from where the spa was purchased will be subjected to mileage charges and related expenses.**

LIMITATIONS: This Limited Warranty takes the place of all other warranties, express or implied, in fact or at law, including implied warranties of merchantability and fitness for a particular purpose. All warranty service must be performed by SMART PROTECT WARRANTY or its authorized AGENTS. No agent, dealer, distributor, service company or other party is a under this Limited Warranty, if any, shall not exceed the original amount paid for the defective product. Coverage under this Limited Warranty shall commence as of the original date of purchase and the duration of such coverage shall not extend for any reason whatsoever beyond the stated time periods. These disclaimers shall be equally applicable to any service provided by Smart Protect Warranty or its authorized agents.

LEGAL RIGHTS: This Limited Warranty gives you specific legal rights. Some states or provinces do not allow the exclusion or limitation of incidental or consequential damages; therefore the above limitations may not apply to you.

DISCLAIMERS: Smart Protect Warranty and its authorized agents shall not be liable for any injury, loss, or other damage, whether incidental or consequential, arising out of any defect covered by this Limited Warranty, including without limitation, loss of use of the spa and cost of removal of defective product, even if Smart Protect Warranty has been advised of the possibilities of such damage. The liability of Smart Protect Warranty

TROUBLE SHOOTING GUIDE

P=PROBLEM · D=DIAGNOSIS · A=ACTION

P: **Spa won't turn on**

D: No power in spa

A1: Check Breaker

A2: Check Fuses

P: **Spa comes on by itself**

D: Normal function of heating and filtering

A: No action required

P: **Pump shuts down unexpectedly while in use**

D: Default timer of 20 minutes in the electronic operating system

A: Reactivate by touching desired button

P: **Spa does not heat**

D: Temperature setting is too low

A: Turn up thermostat

P: **Poor jet action**

D: Dirty filter

A: Clean filter

D: Air lock in pump

A: Loosen end pump union to release air

D: Water level too low

A: Fill spa

D: Closed knife valve

A: Open knife valve

P: **Spa light is out**

D: Burned out bulb

A: Replace bulb

(The Light housing is located behind the spa pack, and there is no need to drain the spa to change the light bulb.)

D: LED is not working

A: Follow the provided Troubleshooting Sheet.

P: **Motor shuts down while in use**

D: Protective device has shut down motor to protect from overheating

A: The automatic device will reset the motor when it cools down

P: **GFCI shuts down frequently**

D: Faulty GFCI

A: Call electrician

D: Heater element has failed

A: Call Smart Protect Warranty

D: Ozonator/Blower has failed A: Replace Ozonator/Blower

TROUBLE SHOOTING GUIDE

P: Abnormal water usage

D: Excessive evaporation

A: Use spa cover when not in use,
lower thermostat setting

D: Leak in plumbing

A1: Tighten unions (see #2, START-UP
PREPARATIONS)

A2: Call Smart Protect Warranty

P: Water not clean

D: Filter dirty or clogged

A: Clean or replace filter

D: Clogged/blocked safety suction

A: Clean safety suction or skimmer

D: Poor water chemistry

A: Test and correct

D: High content of solids in water

A: Drain and refill spa

D: Filter cycle setting too low

A: Increase duration of filter cycle

P: Eye or skin irritation

D: pH is too high

A: Test and correct

P: pH is too low

A: Test and correct

P: Formation of chloramines

The formation of chloramines is chlorine combining with nitrogen from body wastes, oils etc. - causes familiar chlorine odour

A: Correct by adding shock

P: Foaming of water

D: High concentration of oils and organics being agitated by jets

A: Add antifoam

D: Soft water

A: Test and correct

P: Scale deposits

D: High calcium level, high pH, high alkalinity

A: Test and correct

P: Water leaks or drips in equipment

D: "O" ring or seals drying out

A: Lubricate "O" rings or replace

P: Filter often has air in it

D: Water level is too low

A: Add water to appropriate level

Weekly Maintenance Schedule

Date	Clean Filter	Shock	Water Clarifier	Chem Balance	General Maintenance



Ridgewood Enterprises Ltd.
920 Leathead Road,
Kelowna, BC, V1X 2J8

Aruba Spas reserves the right to make changes in specifications without notice.