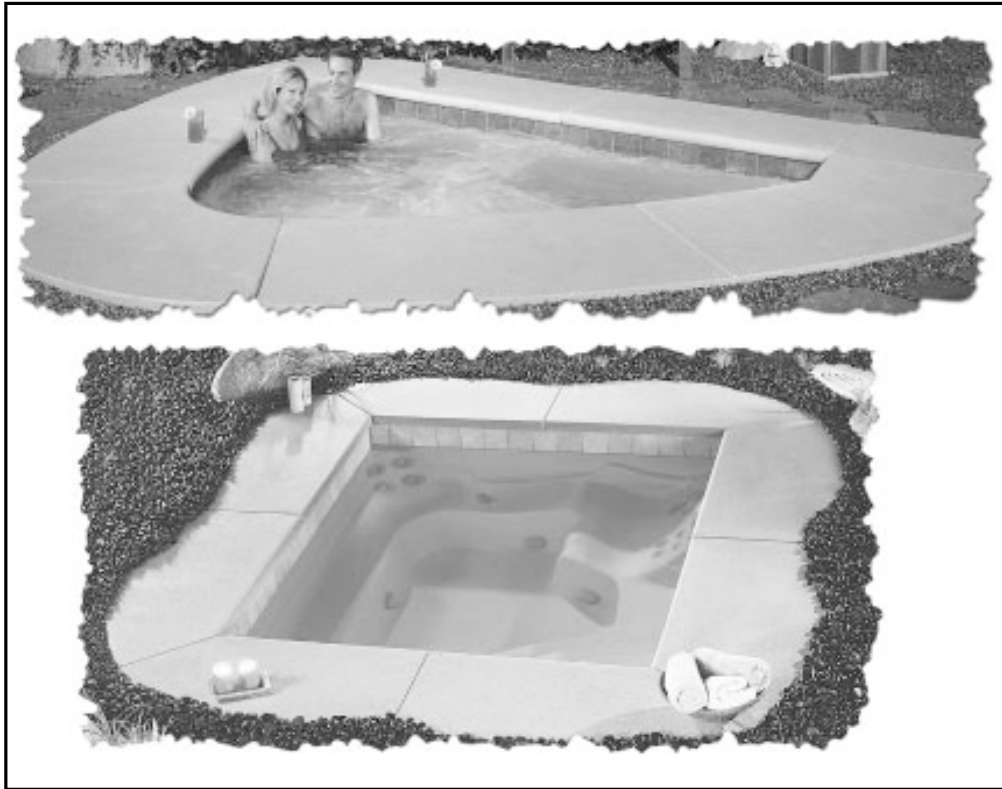


# Architectural Series

by Sundance Spas



Owner's Manual

**Sundance Spas**

## PLEASE READ THIS ENTIRE BOOKLET THOROUGHLY BEFORE ATTEMPTING SPA OPERATION

**IMPORTANT:** your spa system has been customized by your installer with options and accessories that may not be covered in this guide. Please take time to read and observe the manufacturer's instructions for all installed options and accessories not covered in this guide.

### General Safety Instructions



**ALWAYS** make sure yard barriers, fences, gates, doors, alarms, etc are in working condition for code compliance and safety.



**NEVER** allow small children to play in the spa or within the contained spa area without adult supervision.



**NEVER** consume alcoholic beverages of any type while using the spa, or permit pregnant women to use spa heated above 90 °F.



**NEVER** attempt to modify the spa or its operation equipment.



**NEVER** place hazardous equipment, or electrical devices at or near the spa.



**NEVER** remove the suction covers for any reason.



**NEVER** enter untreated water or water over 104 °F.

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## IMPORTANT HOMEOWNER INFORMATION!

Your hot tub's serial number is required to process a service request during the factory warranty period. The serial number for your hot tub is located in two locations:

- 1) The top step next at time at time of delivery;
- 2) On the homeowner literature pack envelope.

Please record your hot tub's serial number and purchase information below. Remove and attach the serial number and IAPMO stickers from the top step and attach to the indicated areas below.

1. Hot Tub Serial# \_\_\_\_\_
2. Installation Date: \_\_\_\_\_
3. Dealer Name: \_\_\_\_\_
4. Installed By: \_\_\_\_\_

**Sundance<sup>®</sup> Spas**

Date \_\_\_\_\_ Model# \_\_\_\_\_

Serial# \_\_\_\_\_

P/N 6530-099 REV. B



# 1. Restarting Your System

After refilling the spa or servicing the equipment, the spa **must** be restarted and the following functions checked for proper operation **before** spa can be set to run automatically. Checkboxes are provided next to each step for your convenience.

1.  The water level must be at mid-tile height or covering the skimmer inlet (minimum 2/3) before spa power is turned on.
2.  The skimmer basket must be emptied of debris and replaced. All floating debris and/or sand should be removed from the spa prior to start.
3.  Both pump pots should be checked and debris removed (when present), then filled to capacity with water from the garden hose.
4.  Once the filter canister is secured tightly per the manufacturer's instructions, turn on the main system power and test the GFCI breaker per the instructions on the load center.
5.  Power up each spa pump and purge air from the filter until empty.
6.  Allow pumps to run for several minutes to prime and purge air from the equipment and piping. Make a visual inspection of the jet system for proper operation and the equipment system for leaks.
7.  Set thermostat for heater and allow it to cycle "on" during this test. Additionally, test the light, color wheel, and auxiliary control panel (if applicable).
8.  After system operation is verified, set the timeclock to operate a minimum of 2 hours a day, then begin water testing and chemical maintenance procedures as prescribed by your installing dealer.

# 2. Water Care and Maintenance

Water care is simple if the following guidelines are observed. Your installing dealer will provide you with water treatment and scheduled maintenance information for your preferred sanitation needs, however, the following safeguard guidelines should always be followed:

- Never enter or bathe in untreated or unhealthy water.

- Sundance recommends the spa water be drained and completely replaced every 4 months, or when an uncontrollable or uncorrectable water conditions exists.
- Be sure to test the water up to four times a week. Always check sanitizer levels prior to entering spa. Do not enter water if sanitizer level measures above or below safety levels as prescribed by NSF (National Safety Foundation) and the chemical manufacturer. Never substitute or use chemicals not listed for pool and spa use in your water. Store all chemicals and test equipment in a child safe place in accordance to the manufacturer's recommendations.
- Do not enter the spa for a minimum of 1/2 hour after adding spa chemicals. Never add chemicals to the spa when bathers are present. *Note: some automated systems will run with bather occupants in the water.*
- Never use more than the recommended chemical dosage at any time. Read all safety label instructions and warnings prior to adding any chemical to your spa. If you have chemical questions or needs, contact your installing dealer.

**Correct water pH and sanitizer chemistry levels in your spa are vital to both user safety and equipment longevity.**

### **3. Shell and Tile Care Maintenance**

The spa shell is made of acrylic thermoplastic. The textured surface requires no special cleaning agents or treatment. However, Sundance recommends wiping the shell surface with a clean rag during periodic draining cycles to remove any biofilm buildup or bathtub rings.



**NEVER use soapy water, cleaner, sandpaper, harsh chemicals, or stain removers of any kind on the acrylic surface for it will void your warranty.**

- Rubbing alcohol in moderation can be applied to a clean rag and used to remove stubborn stains if needed. When finished, be sure to wipe the alcohol from the shell surface with a clean water soaked rag.
- During the life your spa, the tile line will need to be inspected and periodically cleaned to keep it looking good. Minerals in your water

may continuously leave deposits on the tile surface at the water line making it unsightly. This calcium buildup is a normal condition associated with hot water and chemicals in tiled pools and spas. Ask your installing dealer for specialized cleaning solutions and scrubbing stones available to help keep your spa tile beautiful.

- Occasionally, the rotating jets may become clogged or intermittent in their operation. Instructions are provided for the removal and cleaning of these jets, see section 5.

## 4. Equipment Maintenance

Your spa's operating system has been custom designed by your installing dealer. Your installing dealer will educate you on operation, draining procedures, weekly maintenance, bimonthly maintenance, freeze protection, and service. However, the following tips are offered as general information and guidelines.

- **Filter:** The filter should be routinely maintained according to the manufacturer's recommendations. The cartridge element should be cleaned monthly and replaced every two years to ensure proper water filtration. Bleed out trapped air once a week will improve filtering capacity and efficiency.
- **Pumps:** Inspection of the pump pots for debris is easy through their clear plastic caps. If no debris is sighted, do not remove the cap, or repriming the pump will be necessary.
- **Heater:** There is no monthly maintenance service to gas heaters, however, we recommend the door be removed and a yearly inspection made to the burner area for yard debris that may blow in and potentially catch fire.
- **Light:** The fiber-optic light source has no routine maintenance, however, the hood should remain bolted on and the unit upright for safety. Bulb replacement is only needed when burnt out. *Note: fiber-optic lamps take up to four minutes to reach full output.*

- **Ozone:** Most ozone generators are designed to be maintenance free, however, an inspection should be made of the in-line check valve to ensure it continues to stop water from flowing back into the unit. You may also inspect the lamp operation on ultraviolet (UV) ozonators by viewing their light source at night from the box while the filter pump is running.
- **GFCI Breaker:** Weekly testing of the Ground Fault Interrupter (GFCI) is recommended by the manufacturer. Testing takes only a few seconds, however, the system timeclock and time of day may need to be reset after testing.
- **Pad:** Make sure your equipment area is not trapping water that can puddle around these appliances.

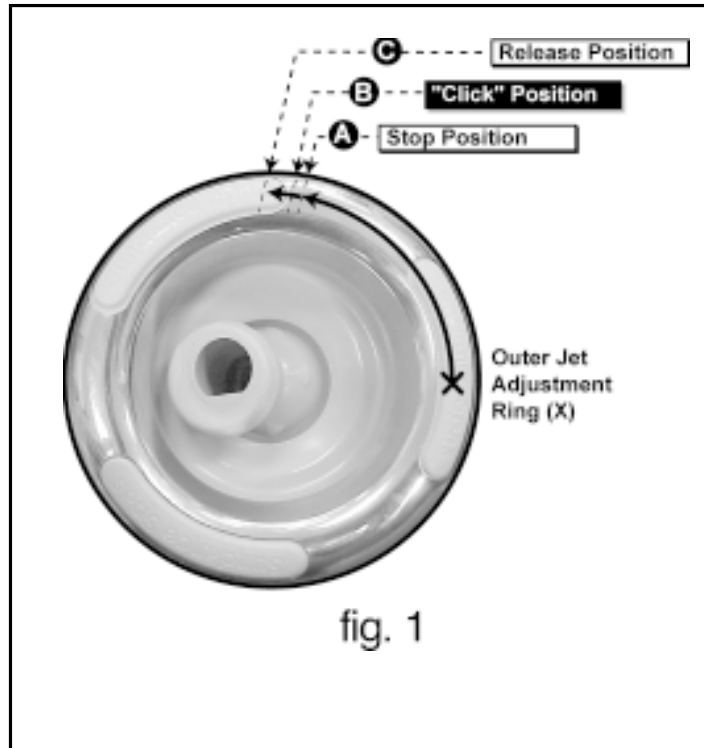
## 5. Cleaning Procedure for Rotating Jets

If you experience a sticky rotational jet, perform the following cleaning procedure. In most of these cases debris is present in the jet bearings and must be cleared to achieve proper operation.

### Procedure

1. Remove jet internal from hot tub wall fitting by placing your hand around the outer jet adjustment ring and rotating it counterclockwise (fig. 1). Rotate jet adjustment ring until it stops at position (A). Use additional force at position (A) to continue rotation until you feel a “click” at position (B); then feel the internal release at position (C). It may seem like your are overtorquing the jet internal between positions (A-B), however, additional force is necessary at position (A) to unlatch its retaining mechanism from the wall fitting.
2. Fill a clean bucket with tap water and immerse jet internal. Rotate submersed jet internal’s nozzle in a circular motion while moving it back and forth allowing water to flow through both ends of the jet. This motion allows slow moving water to wash back through the jet bearing and dislodge any debris that might be lodged in the bearing. Clean each jet internal for approximately 1 to 2 minutes twice a year, or when a particular jets rotation appears sluggish, jerky, or obstructed.

3. Reinstall jet internal by inserting it in any jet opening of the same jet type. Rotate the jet internal clockwise with light pressure until you feel the retaining mechanism “snap” in place. The jet’s nozzle should rotate freely to the left or right using only fingertip pressure. If jet rotation appears sluggish or obstructed at this time, repeat steps 2-3 until condition clears. If condition persists, contact dealer for technical support.



## 6. Draining and Refilling

Spa water must be disposed of in accordance with local codes. Please consult your dealer/installer for proper disposal methods.

1. First turn off the power supply to the equipment.
2. Your inground spa can easily be drained with a small power sump pump or drain attached to the auxiliary spa pump, whichever the installer provided. To avoid the spa from shifting or becoming displaced from the deck, drain your spa only when ground water is **not** present. Never attempt to drain spa while it is raining. It is best to wait a few days after rain before attempting water replacement. Never dispose of water at or near the spa shell.
3. The spa should only remain empty long enough to be inspected, wiped clean, and then refilled. **Do not leave the spa drained for extended periods of time in direct sunlight or damage may occur to the acrylic surface.**
4. To start your spa, refer to restarting your system (page 1).

## **7. Freezing Weather Conditions**

Your installer or system designer will provide you with special instructions for what to expect and what to do during freezing temperature conditions (below 32 °F). Spas installed in inclement weather areas should incorporate electronic freeze sensors and utilize insulated safety covers for economy and damage protection.

It is advisable to run filter cycles frequently and to check the equipment system often during freezing weather. If an extended power outage occurs, it is wise to drain each pump, filter, and heater through their integral drain plugs and to trip the main equipment spa breaker to prevent accidental start-up.

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