

## SPA CHEMICAL INSTRUCTIONS

### Brominating Tablet System

**Spa Volume:** 410 US gal or 1552 L

**Spa Make / Model:** Sundance / McKinley

#### Start-up procedure for freshly filled spas:

1. **Secure:** 90 mL, while spa is filling. Wait 1 hour.
2. **Spa Mate (Part A):** 190 mLs.
3. **Shock (or Spa Boost – Part B):** 90 grams.
4. **Brominating Tablets:** fill and open the floating chemical dispenser.
5. **Buffer:** 250 grams.
6. Wait at least 2 hours, test pH and adjust if necessary. (See below)
7. **Cal:** pre-dissolve 440 grams, once pH is correct.

#### Daily Procedure – testing bromine and pH levels:

1. Maintain bromine level at 3.0ppm (slightly less for spas with ozone or UV sterilizers). Use a test kit to determine the current bromine level. If bromine is low, open dispenser to expose more tablets. Adding **Sanitize** may be necessary for more instant results. If bromine level is high then close dispenser slightly. Do not use spa until bromine level is in range.
  - **NOTE: High bromine levels may result in incorrect pH readings. If your bromine is high, lower it before retesting your pH.**
2. Maintain pH level at 7.5. Use a test kit to determine the current pH level. Adding 1 tablespoon at a time, either raise the pH using **pH Plus** or lower the pH using **pH Minus**. Wait 5 minutes between adjustments.

#### Weekly Procedure:

1. Test Bromine and pH levels (see above)
2. **Secure:** 40 mLs.
3. Shock treat the spa.
  - a. If Bromine level is correct **and** water is clear, add 40 grams of **Shock (or Spa Boost – Part B)** shock treatment.
  - b. If Bromine level is low, water is cloudy and or foamy then add 30 grams of **Sanitize**.
4. **Scum Free:** 110 mLs.
5. Clean spa filters.
  - a. Traditional filters: rinse filter cartridge using a garden hose.
  - b. Disposable Sundance/Jacuzzi Filters require no maintenance.

## Drain, Fill and Rebalancing Procedures:

1. Spa should be drained, filled and rebalanced approximately every 3 months. Draining frequency will depend on usage and the TDS (Total Dissolved Solids). If in doubt bring a water sample to the store for testing. (See Below)
2. Clean the filters
  - a. Traditional, non-disposable, filters should be soaked in **Filter Cleaner** for 12-24 hours to remove absorbed oils and chemicals. Rinse filter thoroughly before replacing.
  - b. Sundance / Jacuzzi Disposable Filters: Replace as per manufacturer.
3. If necessary, clean water line and residue on spa surface with **Spa Clean** or a non-abrasive sponge and water.
4. Re-balance spa according to start-up procedures.

## Safety Tips:

- Always add chemicals into water and not vice versa.
- Keep chemical containers sealed in a dark, dry, cool environment, out of children's reach.
- Never mix chemicals.
- Limit soak time to 20 minute intervals.
- If you are pregnant, have high blood pressure or a cardiovascular condition consult a physician before use.
- Do not consume alcoholic beverages while in tub.
- Do not leave children unattended in tub.

**Spa Mate (Part A):** Liquid bromine typically used on start-up to get an instant bromine reading when followed with Shock (Spa Boost).

**Shock (or Spa Boost – Part B):** Oxidizes dissolved organic wastes from the water. Use weekly to maintain clear water and correct bromine readings.

**Clor or Sanitize:** Granular chlorine that temporarily boosts bromine levels to keep water clean and sanitized. Use to get instant bromine reading or whenever spa water is foaming or cloudy.

**Buffer:** Raises total alkalinity and stabilizes pH. Use when you need to raise pH and alkalinity level.

**Cal:** Raises calcium hardness and does not dissipate over time like other chemicals. Calcium is added on start-up or any time more than a quarter of the spa water volume is replaced.

**Ph Minus:** Lowers total pH and alkalinity levels. Add in 1 tablespoon doses, every 5min as needed, when pH is high.

**Ph Plus:** Raises pH level. Add in 1 tablespoon doses Use when pH is low but the total alkalinity is in range. This is rare.

**Secure:** Prevents staining and white, chalky scale formation on the sides of spa. Use on start-up and as part of weekly maintenance for scale prevention.

**Scum Free:** A natural enzyme solution that helps prevent cloudy, smelly water and oil / scum formation on waters surface. Use as part of weekly maintenance for scum prevention.

**Super Clarifier:** Combines suspended particulates in water for better filtration. Use when water is cloudy. Not to be used with disposable filters.

**Foam Away:** Temporarily eliminates foam. However, foam is typically caused by excess soap, lotions, and or oils from spa users. The ultimate solution is to drain the spa if foam is excessive.

**Whirlpool Rinse:** De-scales and degreases the spa pipes. Use when the tub has a scaling problem or has been empty for an extended period of time and is being refilled.

**Spa Clean:** A specially formulated low-sudsing cleaner for spa surfaces. Use when draining and refilling to get rid of water line and residue. Household cleaners can damage spa finish and upset water chemistry and therefore should never be used.

**Filter Cleaner:** Removes absorbed oils and chemicals from the filter while whitening the cartridge. Use every time the tub is drained and refilled with traditional filters. *Disposable filters should not be cleaned.*

**Cover Care:** A combination cleaner and UV protector for spa covers.

**Spa Cover Refresh:** Specially formulated deodorizer and cleaner for inside surface of spa covers.

**Water Testing:** Bring 500mL in an unused and clean plastic/glass container or bottle for complimentary analyzing. Do not put sample in empty chemical containers.