

CANNON POOLS: TUFF SPA OWNER'S MANUAL

You are now an owner of a Cannon Spa. This Hot Tub will bring you to a world of relaxation!

1. See owner's manual to hook up electrical. If 220V, the wires can be run through a small conduit near the ground, left kiddy-corner of the controls. The majority of these spas run at 110V 20 AMP and the 10' cord is already connected. Extension cords can cause a problem, so avoid using. Also, use a dedicated outlet. Using 220V 50 AMP GFCI and will require 4 copper wires: 2 #6 hot, 1 #8 neutral, and 1 #10 ground with the outside portion placed inside ¾" weather tight conduit. The platinum spas are preset for 220V. Others will have to be converted by removing the existing 110V cord, removing the jumper that goes from J32 on the red AC to the WHT AC on the left of the board, and turning dip switch 10 on the switch bank to off. We recommend using an electrician experienced with spas, and are not liable for the electrical installation.
 - a. For 110V, dip switches 2,3,7, and 10 need to be the only ones on.
 - b. For 220V, dip switches 2,3, and 7 need to be the only ones on.
2. Remove the spa filter and fill up your spa with water into the area where the filter is located. If the source is well water, consider paying a 3rd party water hauler OR use a pre-carbon filter which are available at any Cannon location. Keep the spa water level 3" above the highest jet. Most Never allow the water level to drop below the top of the filter cartridge. If the water level is too low, the skimmer will allow air into the water lines of the pump, causing it to lose its prime and could possibly result in further equipment damage.
3. Set temperature.
4. Set filter cycle. The factory setting is for 2 hours, 2x per day. This works well for most, but if the spa is being used daily, then you can increase the duration. Keep in mind the ozone is emitted while in the filter setting.
5. Put a test strip in the water and ensure the pH, alkalinity, and hardness are in the correct ranges. If the pH, alkalinity, or hardness are off, adjust accordingly. Inexpensive balancing chemicals can be purchased also at your nearest Cannon location, along with free water analysis. We recommend bringing a water sample in a Tupperware or Ziplock bag at the start and as often as you like until you feel comfortable with at home testing.
6. The at home test strips do not measure metals such as iron and copper. This can be tested at the store and products are available to remove them. Metals are often found in well water.
7. Wait until water gets hot and enjoy your first soak!

CANNON POOLS AND SPAS: KEEPING YOUR SPA WATER HEALTHY WITH THE FROG @ EASE SYSTEM

Cannon spas are being delivered with this industry leading maintenance program. Our clients are finding @ Ease to be simple, low chemical, and affordable.

Instructions:

-Snap the top and bottom halves together. The top (blue in color) is where the mineral is emitted and lasts for 4 months. The bottom (grey in color) is where the SmartChlor is emitted and lasts for 1 month.

-Set the dial on the grey half. 200-299 gallons = setting 1, 300-450 gallons = setting 2, 451-550 gallons = setting 3, 551-600 gallons = setting 4. Swim spas will require multiple units.

-Float unit in water

-Add packet of Jump Start. This is dichlor and activates the minerals.

-Change the Smartchlor monthly. After 3-4 weeks, the floater will flip over and the grey will be on top. This indicates the Smartchlor is empty. In turbulent water the floater naturally

leans a little. To verify that it is empty, lift up and drain all water from the floater, then place back in spa and see if it flips completely.

-*Shock once per month or when water is hazy.* Use a capful of the oxidizing non-chlorine shock, also known as monopersulfate.

-*After 4 months replace the top half.*

-*Test weekly and adjust levels accordingly.* A bottle of 30 test strips is included.

-*Change water every 4 months.* We recommend using Brilliance Jet Cleanse prior to draining the water to thoroughly clean the plumbing of organics/biofilm.

*More info can be obtained on www.frogproducts.com/product/atease_floating_system/ and there are detailed instructions in the box.

Other Water Chemistry Tips

pH: Keep within 7.2 – 7.6

- If it is too low, the surface of the shell may become etched. To fix, add pH increaser.
- If it is too high, scale forms on the shell, water can become cloudy, and it can compromise equipment. To fix, add pH decreaser.

Alkalinity: Keep within range 80 – 120 ppm

- If it is too low, there is no buffer, causing the pH to fluctuate. To fix, add alkalinity increaser
- If it is too high, the water will become cloudy. To fix, add muriatic acid.

Hardness: Keep within range 150 - 250 ppm

- If it is too high, scale (calcium) will form on the shell and in the mechanicals. To fix, dilute water.

Metals: You do not want metals present in the spa water (except silver). Either use a pre-carbon filter on the fill hose or add a metal sequestrant agent such as Brilliance metal and scale control.

Foam: Ensure air controls are in the off position when not in use. Avoid lotions and detergents on bathing suits. Use Brilliance defoamer if needed. Worst case scenario, drain ½ the water.

Spa Filter Settings: When spa runs on pump 1, low speed to circulate water through filter(s) and emit ozone + other topside control functions

Filter start time is whenever the spa was last powered up, and 12 hours later a 2nd cycle

You can change duration of each cycle to 2 hours (F2, factory set), 4 hours, F4, F6, F8, or C (continuous)

To program, press Warm or Cool then Jets. Press Warm to adjust. Press Jets to exit.

Mode is changed by Warm or Cool then Light. You want to be in Standard (ST), not Economy or Sleep

What are the dials around the spa perimeter?

-*medium dials* control the air flow. When on, it makes the jets feel much stronger.

-*large dial (not on TT150, 250, or 350)* divert the water from each pump(s) to various seats.

-*Massage* can be customized via pump speed, large pump dial, air control, and individual jets

***We appreciate you choosing Cannon Pools and Spas. All future chemicals will now be 10% off if you mention you own a “Cannon” spa at the register.**