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# **SPA BOOK INSTRUCTION MANUAL**

An Easy To Follow Guide For Spa Care

# SPA MAINTENANCE

This book and the MURSATT line of spa chemicals are designed to make it easy for you to enjoy safe, sparkling spa water. In spa water maintenance you accomplish two things...

**A** The Protection of Equipment

**B** The Protection of Bathers

## FACTORS THAT AFFECT WATER BALANCE...

**TOTAL ALKALINITY** - a measurement of the water ability to resist changes in pH

**pH** - a measurement of the acidity of the spa water.

**CALCIUM HARDNESS** - a measurement of the dissolved calcium in your water.

**TEMPERATURE** - high spa water temperatures accelerate biological and chemical activity.

Your spa contains \_\_\_\_\_ litres.

Please maintain readings in the following ranges:

Bromine	2.0 to 5.0 ppm.
pH	7.4 - 7.8
Total Alkalinity	120 - 150 ppm.

## SPA START-UP

1. Before filling spa, have source water tested by Edgil.
2. Add \_\_\_\_\_ SPAGLO to prevent scale and stains.
3. Add \_\_\_\_\_ SPACHLOR to Shock treat spa

## SPA REGULAR CARE

1. Test pH and BROMINE daily (especially just before you use spa) - If the bromine is low shock spa with 1 scoop SPACHLOR.

If the pH is low, turn jets on high to raise it. If it is consistently low add 1 TBSP. SPA BUFFER.

If the pH is high and the Total Alkalinity is ok. then spread 1 TBSP. SPA DOWN over the water. However if the Total Alkalinity is also high then turn the spa pump off and add the SPA DOWN in concentrated spots. Turn the pump on after 5 minutes. Retest the water after 2 hours and repeat treatment if necessary.

2. Fill floating brominator with BROM'N'8 tablets weekly.  
Set brominator to: \_\_\_\_\_
3. Add \_\_\_\_\_ SPACHLOR shock treatment weekly.
4. Add \_\_\_\_\_ SPAGLO weekly

5. Add as desired:

SPA PERFECT eliminates tub ring & decreases bromine usage.

FILTERNU decreases and decalcifies cartridges.

INSPIRATION spa fragrance.

BUBBLEBURST foam reducer.

## WATER REPLACEMENT

To determine how often to replace spa water, use the following formula:

The number of days between complete water replacement is equal to the volume of the spa in litres divided by 10 times the maximum daily number of spa users.

*Example:* 1000 litre spa ÷ (10 x 2 people per day) = 50 days between complete water replacement.

Good indicators that the water needs changing are excessive foaming and very cloudy water.

## OPERATING YOUR SPA

Please read and follow all instructions in this manual as well as the Manufacturer owners' manual. A thorough knowledge of the basic safety precautions, and proper maintenance procedures will provide years of safe and soothing enjoyment of your spa.

### Cautions:

Water Temperature in excess of 40 degrees Celsius may pose a health risk.

Prolonged soaking in temperatures in excess of 40 degrees Celsius may cause drowsiness, fainting and may induce hypothermia. Hypothermia occurs when the internal temperature of the body reaches a level several degrees above the normal body temperature of 37 degrees Celsius. The symptoms include drowsiness, lethargy and increased internal body temperature.

**Effects:**

- unawareness of impending hazard
- failure to perceive heat
- failure to recognize the need to exit hot tub
- physical inability to exit hot tub.
- fetal damage in pregnant women
- unconsciousness and danger of drowning

**WARNING:**

Never use a hot tub under the influence of alcohol or drugs. Doing so can greatly increase the risk of hypothermia. Any persons with heart or circulatory conditions or using prescribed medicine should consult their physician before using a hot tub.

**General maintenance**

For detailed instructions on how to operate your particular spa follow the manufacturer's instructions in the owners manual.

To avoid damage to the heater and pump, the spa support system must never be run without water flowing through the system.

Clean filter cartridge weekly. A dirty filter inhibits the water flow, thereby reducing the jet action, the efficiency of the heater, and could damage the pump seal. Soak filter cartridges a least 24 hours in a solution of FILTER NU and water. Then remove and rinse thoroughly with garden hose.

Drain spa, see "water replacement", and wipe down surface with VINYL PLUS then wipe down with a clean sponge. Refill spa, refer to start-up instructions, and take a water sample to Edgil Pool Services to be tested. This is when your water must be re-balanced to ensure crystal clear water and to protect your investment.

# TROUBLE SHOOTING

## SYMPTOM

## SOLUTION

Spa does not operate

- Check breaker or GFCI in main circuit panel if it is in “on” position
- Call for Electrician if GFCI keeps tripping

Spa does not pump on low speed

- Check if valves are completely open
- Inspect filter for dirt and debris
- Check for blockages or restrictions at suction and skimmer.
- Open air bleed knob(s) to bleed any air. You may also need to loosen one of the pump unions to release trapped air.

No heat:

- Check for an error message on keypad display.
- If there is no message, try to increase temperature by raising set point.
- Verify if heater indicator light appears on the display. Heater indicator light will be on when heater is on. It will flash if more heat has been requested, but heater has not yet started.
- Remove filter if heater indicator light comes on, clean filters.

Decreased jet action

- Check filters and clean if necessary
- Check for blockages or restrictions at suction and upfront skimmer.

## SIMPTOM

## SOLUTION

Spa light does not work

- Check light bulb is tight in socket
- Check if light bulb is burnt out, replace if necessary.

Cloudy Water

- Check filter parts for parts missing or not properly installed.
- Sanitizer level is low, or poor water chemistry. Take a sample to EDGIL
- Dirty filters, remove and clean with FILTER NU.
- Water may need to be replaced as per “water replacement “ guide.

Error messages: (Sunrise spas only)

“FLO” - System does not detect any pressure when the pump is turned on. Verify if circulation pump is working. Clean filter and check for air blockages.

“FLC” - System detects pressure when the circulation pump is off. Call for service.

“Prr” - Indicates a problem with the temperature sensor. Verify if probe is properly connected or call for service.

“HL” - Steady message means system has shut down heater because water temperature at the heater has reached 119 F.

- Blinking message means, except for Smart Winter Mode, system has shut down because water temp. in the spa has reached 112 F.

Verify water temperature with thermometer. If reading is below 112 F. indicates a problem with the hi-limit probe or heater. If heater barrel is hot check for blockages (Closed valves or dirty filters)

# MURSATT SPA CHEMICALS

## SANITIZING PRODUCTS

### SPA-CHLOR



## BALANCING PRODUCTS

### SPA-BUFFER



## SPECIALTIES

### SPA-GLO



### SPA-SHOCK



### SPA-CAL



### TILE-X



### BROME-OX



### SPA-DOWN



### BUBBLE-BURST



### BROME-ADD



## SPA SAFETY TIPS

- Spa chemicals are powerful. Never mix chemicals together. Always add them separately to the spa.
- Maintain the proper sanitation level in the spa at all times.
- Shower before and after using spa.
- Children should never be left unattended in a spa.
- Spa temperature should never exceed 104°F - 40°C.
- Avoid use of alcoholic beverages in a spa.
- Keep electrical appliances away from spa.