



Beachcomber Hot Tubs  
Edmonton West  
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## ELIMINATING 'WHITE ALGAE' BIOFILM IN HOT TUB WATER

This condition is a type of bio-film build-up in the pipes presenting itself as white flakes similar to floating bits of tissue paper, and can be caused by a lack of regular maintenance. Boosting the water with sanitizer does not always correct the problem; sanitizing products do not break down large matter, and the flakes themselves can consume sanitizer. This will take several days to correct and remove, and will require draining of the hot tub water. Draining could be required more than once depending on the severity of the problem.

Do not use the hot tub during this process. We recommend **Beachcomber Genuine Water Care Products**; follow individual product label directions.

### Step One - Shock the Hot Tub Water

1. Add 1 cup (250 g) of your regular sanitizer treatment, ie. **CARE FREE BOOST™**, **BROMO BLAST™**, or **CHLOR BLAST™**.
2. Remove HEATSHIELD™ cover completely, reduce heat, and circulate for 24 hours starting with system on high speed with all FLEXJETS™ on, including neck jet(s) and foot jets, with air controls open. Return to high speed as often as possible within the 24 hours.
3. Remove MICROFILTER™ and either discard or soak in a CLEANING CANISTER with 3 tablespoons of **CARE FREE BOOST™**, **BROMO BLAST™** or **CHLOR BLAST™**.

### Step Two - Drain Procedure

1. Add 500 mL of **PIPE CLEANSE™** to clean out lines and remove excess debris. Follow instructions as per label.
2. After 24 hours, if there is any measurable sanitizer level, use **NEUTRALIZER** sparingly as per directions to neutralize before dumping.
3. Drain the hot tub as per standard Drain & Fill directions.

### Step Three - Clean & Refill

1. Wipe down hot tub acrylic, underside of HEATSHIELD™ cover, and any other products, ie. rubber ducks, etc. that have come in contact with water over the past few months, with 50/50 bleach and water solution.
2. Refill hot tub and replace with new or clean MICROFILTER™.
3. Proceed with normal start-up procedure and add 1 cup (250 mL) of your regular sanitizer treatment, ie. **CARE FREE BOOST™**, **BROMO BLAST™**, or **CHLOR BLAST™** and then maintain a 3 - 5 ppm level of sanitizer.

**Note: you may want to repeat one or more of these steps, depending on the severity of the problem. If you have questions, contact your local Beachcomber Store for more information.**

Ensure proper water balance by having your Beachcomber professional analyze your hot tub water monthly.

## BEACHCOMBER WATER CARE PARAMETERS

### FILTRATION

Maintaining a clean MICROFILTER™ is key to water cleanliness and clarity. Rinse once a week and alternate soaking monthly in Spa Filter Cleaning Granules or FILTER SOAK.

### SANITIZATION

Ensure your hot tub is safe to use. Keep sanitizer level between

**3 - 5 ppm**

Remember to remove cover when oxidizing and do not use hot tub or close cover if sanitizer reading is higher than 5 ppm.

### BALANCE

Keeping your Total Alkalinity, pH, and Calcium Hardness in range prevents corrosion, scale, and odours and encourages sanitizer efficiency, equipment protection, and bather comfort.

### TOTAL ALKALINITY

Maintain a proper (TA) level of

**100 - 120 ppm**

RESIST™ helps water to resist changes in pH, and increases the total alkalinity of hot tub water to prevent pH fluctuations.

### pH

Maintain a proper (pH) level of

**7.2 - 7.8**

pH PLUS increases pH to prevent corrosion and irritation and pH MINUS decreases pH to prevent scale and irritation.

### CALCIUM HARDNESS

Maintain a proper (CH) level of

**150 - 200 ppm**

PROTECT™ helps protect hot tub equipment and parts from etching by increasing the calcium level of hot tub water.

### TOTAL DISSOLVED SOLIDS

Maintain a proper (TDS) level of

**< 1500 ppm over initial level**

High (TDS) levels will result in cloudy, foaming and listless water.