

## **maintenance**

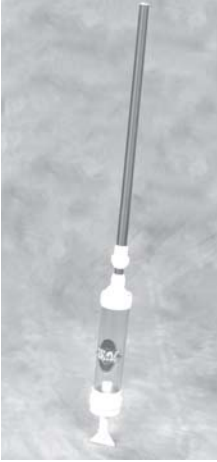
### **WEEKLY MAINTENANCE**

#### **1. Removing Debris**

Remove any debris and leaves from the Vortex skimmers and suction guard(s) on the inside of the spa. Blocked intakes can impede the flow of water through the jetting system.

#### **2. Water Level**

Replenish the water level if necessary so that it is approximately two-thirds up the Vortex skimmer opening. (See STARTING YOUR SPA.)



A Spa Vac suction  
matter from deep in  
the footwell.



Water level should be  
two-thirds up the  
Vortex skimmer  
opening.

### MONTHLY MAINTENANCE

#### 1. Filter Care

We cannot stress enough the importance of a clean filter for proper water filtration. Dirty filters can restrict water flow, cause hazy water, and prevent your chemicals from working properly. Many water treatment products clear or clarify the water by clumping microscopic particles and minerals together so that these larger particles can be effectively trapped in the filter. A filter clogged with debris and calcium deposits does not trap particles properly.

The Maintenance Reminder on the spa-side Control Panel indicates a CL every 30 days to remind you to clean your filter.

#### Removing the Filter

Grasp the edge of the Waterfall, pull up firmly, but gently, to remove it.

Turn the filter cartridge counterclockwise to unscrew it from its base. Lift out the filter cartridge.

Use a hose to clean the filter cartridge and Filter Cleaner to soak the filters (you will need to flip the filter after the designated time to completely clean the entire length).



Turn filter cartridge counterclockwise to unscrew.

**NOTE:** Keep an extra set of filters on hand so you always have a clean set ready for immediate spa enjoyment. Remember to replace the filter cartridges at least once a year.

#### Reinstalling the Filter

Repeat the steps above in reverse. Do not over-tighten the filter as it may cause the threads on the bottom to strip and fail to hold the filter in place. When replacing the Waterfall, center the top over the raised filter ring and press down firmly until the top snaps into place. (See INSTALLATION INSTRUCTIONS, Filter Cartridges.)

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### EVERY THREE TO FOUR MONTHS

#### Draining and Filling the Spa

The average spa needs to be drained every three to four months. After months of continually adding chemicals to the water and introducing body oils and lotions, the water can be difficult to manage and chemicals are not as effective as usual. You may also notice excessive foaming. More frequent draining may be required depending on use.

#### 1. Leakage Detection

Open the equipment door and check for signs of water leakage around the pump(s). Pump seals wear out over time, especially with improper water chemistry. Early detection of pump seal failure can significantly reduce repair costs.

#### 2. Ozonator Operation

The ozonator functions whenever the system is running on filter or cleanup cycles. Check to see if the bulb is lighted. (See SPA CONTROL OPERATION.) Ozonator end caps glow if functioning properly. If not, the bulb has burned out. Contact dealer for service.

#### 3. Draining the Spa Using the External Drain and Fill Connection

- A. Turn off the power to the spa.
- B. Remove the hose bib plug from the external drain and fill connection and attach a hose.
- C. Open the drain valve in the equipment compartment. (See EQUIPMENT DIAGRAM.) Gravity causes the water to drain out of the hose.
- D. When the spa is empty, close the drain valve and remove the hose. Reinstall the hose bib plug.

**NOTE:** Keep the drain valve closed at all times except when draining the spa (do not rely on the cap to stop the flow of water). Not doing so could result in damage to the drain valve due to freezing water.

#### Replacing the Spa Frog Mineral Cartridge

This cartridge should be replaced every four months. You may still feel the “spent” minerals inside, but they are no longer effective and need to be replaced. See ADJUSTING THE SPA FROG® CARTRIDGES, Blue Mineral Cartridge.



Check the end caps of the ozonator for a green glow.



Remove hose bib plug from external drain and fill connection.



Open drain valve in equipment compartment.



Replace blue mineral cartridge every four months.

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### 4. Clean the DuraShell® Interior

Once the spa is drained, clean the DuraShell interior thoroughly – especially at the water line. We suggest the Glove Sponge to clean without scratching.

Clorox bleach (diluted) is the only approved cleaning agent for DuraShell – any other products should be avoided.

**NOTE:** Due to the high-gloss, fine finish of the acrylics, imperfections in the surface texture may occur. These in no way compromise the integrity of the spa shell.

**NOTE: Do not leave an empty spa uncovered. Direct sunlight on the spa surface can cause severe damage or blemishing and can result in the voiding of any surface warranties.**

### 5. Refill the Spa

Fill the spa with fresh water from a garden hose and balance the water as described in the Water Treatment section.

The use of a Fill Filter is recommended when filling especially in areas of high mineral content in the water. Attach to the end of a garden hose to filter out any grit and sediment that could accumulate in the spa and potentially scratch the spa surface.

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### AS NEEDED MAINTENANCE

#### 1. Cover Care

It is recommended that you use Marquis Cover Cleaner to keep the DuraCover™ clean and conditioned. Proper care of the cover increases the life and keeps it looking great in even the harshest conditions. **NOTE:** Do not use regular household products or products that contain silicone, alcohol, steel wool, or bleach.

#### 2. DuraWood Care

Clean the exterior of the spa with a mild soap and water solution. Cleaners that contain alcohol or high levels of solvents, along with Acetone, Nitrobenzene, and Cyclohexanol, can dissolve and discolor the DuraWood exterior.

#### 3. Excess Debris

Grit and debris tracked into the spa should be removed with a spa vacuum.

#### 4. Water Line

To avoid buildup of oils and lotions at the water line, clean the interior when needed. We suggest the Glove Sponge to clean without scratching.

**NOTE:** Do not use the same brush or sponge to clean the exterior of the spa and the interior of the spa. Soap and other product residue used on the outside of the spa can cause foaming of the spa water and scratches to the spa surface if used on the inside of the spa.

#### 5. Light Bulb Replacement:

- A. Turn off the power to the spa.
- B. Remove the equipment area door to find the light access. (See EQUIPMENT DIAGRAM.)
- C. Remove the lamp socket from the back of the light assembly by turning counterclockwise and pulling at the same time.
- D. Gently pull the bulb out of the lamp socket and replace it with a **6 watt bulb only (GE #918)** available from your spa dealer.
- E. Install the lamp socket back into the light assembly and replace door.



Remove lamp socket from back of light assembly.

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### SUSPENDED USE OR WINTERIZING THE SPA

Your spa was designed for year-round use and many people find the combination of hot water, therapy jets, and cool winter temperatures to be especially soothing. However, if you decide to discontinue the use of your spa for any extended period of time, we suggest you follow the steps below.

**NOTE:** During long periods of inactivity, damage can occur to equipment from condensation within the equipment compartment.

1. Turn off the power to the spa.
2. Drain the spa. (See DRAINING AND REFILLING THE SPA.)
3. Remove all residual water from the seating and footwell. If necessary, bail out the remaining water then dry the spa with towels. A wet/dry vacuum is recommended for best results.
4. Using the wet/dry vacuum, place vacuum nozzle over each jet nozzle to remove water from plumbing lines, starting with the highest jet and finishing with the lowest jet.

**NOTE:** The spa is equipped with a Tri-Zone control which is used to divert water between different jet zones. The valve must be “open” to the particular jets you are vacuuming.

5. Unscrew the pump plug(s) from the pump(s) or disconnect the freeze protection line. (See STARTING YOUR SPA.)
6. Again, using the wet/dry vacuum, place nozzle over the exposed pump opening(s) to remove excess water. The pump(s) should be removed from the spa and stored in a climate-controlled room.
7. Clean the spa interior.
8. Clean the filter cartridges.
9. Reinstall the DuraCover™ and lock in place.

**NOTE:** Direct sunlight on the spa surface can cause severe damage or blemishing and can result in the voiding of any surface warranties.



Tri-Zone control must be “open” to the jets you are vacuuming, in this case, the upper and mid back jets.