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## Checklist for Mineral Stick Water Care

For more detailed water care, refer to your owner's manual.

**Start up:** Drain and fill spa and replace Mineral stick every 3-4 months

- Place Mineral stick in Filter or Filter area per instructions for your spa
- Add 16 ounces of Metal Protect
- Add 2 ounces of Spa Shock Xtra
- After water has reached full temperature...Test for PH, Alkalinity, and Hardness. Adjust as necessary. Optimal PH 7.6, Alkalinity 100, Hardness 300

## Regular Maintenance Checklist

- ✓ Test for PH, Alkalinity, and Hardness weekly. Adjust as necessary
- ✓ Add (min) 2 ounces of Spa Shock Xtra weekly (bathing load will determine if more is necessary)
- ✓ Spray/Clean filter(s) every 2 weeks
- ✓ Deep Clean Filter(s) with Filter Clean every 3-4 months (can be done more often if needed)
- ✓ Add 2 ounces of Scale Defense once a week
- ✓ Wipe off water line with Clean and Perfect

## Additional Maintenance Tips

- With heavy usage add 1-2 tablespoons of Spa Shock Extra after each use
- Spa Perfect (enzymes) are available to reduce waterline ring and foam from lotions, oils, soaps, etc
- Use Spa Flush once a year before draining to clean internal plumbing.
- Treat your vinyl cover with Cover Treat or 303 every 3 months
- Use Aromatherapy, foam gone, additional chlorine, etc. as desired or needed

## Why PH and Alkalinity important

If the PH is low, it will cause skin and eye irritation and can damage the equipment. If PH is high, it can cause cloudy water and scale. Both high and low PH will cause poor sanitation. Correct Alkalinity helps keep your PH stable.

### Trouble Shooting

If you properly maintain your spa you should avoid water problems, but if a problem arises in your water, use the following products to resolve it.

<b>Problem</b>	<b>Cause</b>	<b>Product/Solution</b>
<b>Cloudy Water</b>	Organic Contaminants or Lack of sanitizer	Spa Shock Extra or Oxidizer
	Un-filterable buildup	Spa Brite 2 ounces
	Alkalinity or PH is off	Ph up and Ph down Alkalinity Up
	Dirty Filter	Deep clean with Filter Clean
<b>White scale Deposits</b>	Calcium too high	Add 2 oz Stain and Scale Weekly
	High Mineral Content	Use Stain and Scale Weekly
<b>Cloudy Green Water</b>	Water out of Balance	Test and Balance PH and Alkalinity
	Low Sanitizer Level	Add Spa Shock Xtra. Test and Adjust sanitizer level
<b>Clear Green Water</b>	Dissolved copper or iron	Add Metal Protect. Check PH level
<b>Brown Water</b>	High iron or manganese	Add Metal Protect. Check PH level
<b>Odor</b>	High level of organics Contaminants	Spa Shock Xtra or Oxidizer. Check and adjust sanitizer level
<b>Eye/Skin Irritation</b>	Total PH/Alkalinity out of Balance	Test and adjust Alkalinity and PH
	Chloramines or excessive organic contaminants	Spa Shock Xtra or Oxidizer
<b>Scum deposits on Waterline</b>	Oils, lotions, detergents have caused buildup	Use Spa Perfect on a weekly basis
<b>Foaming Water</b>	Buildup of body oils, make- up and detergents	Use Foam Down, Oxidizer and Spa Perfect
	Calcium Hardness is low High Amounts of Total Dissolved Solids	Test and adjust with Hardness UP <b>Change Water</b> and Clean Filter