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Checklist for **Bromine** 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

- Add 16 ounces of Metal Protect
- Add 2-4 oz of Sodium Bromide and 2oz of Oxidizer to create a Bromine Reserve
- Fill Bromine Floater with Bromine Tabs and Open a full two windows for water flow.
- After water has reached full temperature...Test for Bromine, PH, Alkalinity, and Hardness. Adjust as necessary. Optimal PH 7.6, Alkalinity 100, Hardness 300

Regular Maintenance Checklist

- ✓ Test for Bromine, PH, Alkalinity, and Hardness weekly. Adjust as necessary
- ✓ Fill Bromine Floater weekly (bathing load will determine how many windows need to be open)
- ✓ Add (min) 2 ounces of Oxidizer weekly
- ✓ 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 oz Sodium Bromide 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 Bromine, 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.

| Problem | Cause | Product/Solution |
|---------------------------------------|--|--|
| Cloudy Water | 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 |
| White scale Deposits | Calcium too high | Add 2 oz Stain and Scale Weekly |
| | High Mineral Content Water out of Balance | Use Stain and Scale Weekly Test and Balance PH and Alkalinity |
| Cloudy Green Water | Low Sanitizer Level | Add Spa Shock Xtra. Test and Adjust sanitizer level |
| Clear Green Water | Dissolved copper or iron | Add Metal Protect. Check PH level |
| Brown Water | High iron or manganese | Add Metal Protect. Check PH level |
| Odor | High level of organics Contaminants | Spa Shock Xtra or Oxidizer. Check and adjust sanitizer level |
| Eye/Skin Irritation | Total PH/Alkalinity is out of Balance | Test and adjust Alkalinity and PH |
| | Chloramines or excessive organic contaminants | Spa Shock Xtra or Oxidizer |
| Scum deposits on Waterline | Oils, lotions, detergents have caused buildup | Use Spa Perfect on a weekly basis |
| Foaming Water | 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 Change Water and Clean Filter |