

Water Care Guide

Maintaining proper water chemistry is a vital part of maintaining clean and sanitary water conditions. This insures your health and the health of your spa. Dimension One Spas recommends the use of the Vision cartridge and a small amount of chlorine to maintain clean, clear water. Although other systems may be available, the combination of chlorine and the Vision Cartridge is the best partner with D1's filtration and ozone systems to maintain clean spa water and a healthy filtration system while minimizing the chemical levels in your water.

Your dealer is your best partner when learning to safely and efficiently manage the water in your spa. This guide will give you the basic processes, but please utilize the relationship with your dealer to make sure you are completely comfortable operating and maintaining your spa.

VISION:

The Vision cartridge is a silver ionizer that kills bacteria, reducing levels of chlorine necessary to maintain your spa. This product lasts for 6 months, and features a date dial reminder that tells you when it needs to be replaced. This system can lengthen the intervals between recommended water changes from 4 months to 6 months.

In addition to being an excellent disinfectant, the Vision system also softens your spa's water. This not only protects your spa's interior components from mineral buildup, but will also give your spa's water a cleaner and softer feel.

The Vision cartridge cannot be used with bromine sanitation systems. These products react negatively to one another, and will have an adverse affect on water conditions.

First Time Start Up

1. You may need additional water additives, depending on the source of your water. Confirm with your dealer whether or not you will need any special pre-treatment prior to normal start-up, such as heavy metal or mineral additives. The best way to do this is to take a test sample from your water source your dealer. If pretreatment of your water is necessary, follow the directions carefully. This often includes running the spa for 24 hours and cleaning the filters prior to adding your Vision cartridge.

2. Once you have filled the spa: Before adding chlorine or other sanitizing chemicals to your spa water, you must be sure pH and alkalinity are balanced. You can verify water balance using test strips available at your local dealer. Alkalinity should be between 125-150, and pH should be between 7.2-7.8. If your water is not balanced, you will need to add a appropriate chemicals until pH and alkalinity are at the desired levels.
3. Once pH and Alkalinity are at correct levels you should super chlorinate your water. Super-chlorinating is adding twice the regular dose of chlorine (about 10ppm on your test strip).
4. After super chlorination, operate your spa's circulation system with the cover open for 1 to 2 hours to allow the chlorine to sanitize the internal plumbing and to dissipate.

(Remember, after adding any chemicals to your spa water, run all jet pumps with the cover at least half open for 1 hour. This will allow water care products to dissolve, and resulting byproducts to escape.)
5. Test your water once more with a new strip.
 - Make sure your Alkalinity is between 125-150, and your pH between 7.2-7.8.
 - Then add chlorine per the recommended regular maintenance dose (1ppm with Vision, 3-5ppm without Vision. If it is too high, run your spa with the cover off until it is below 5ppm.)
 - Add the vision cartridge if you are using the vision sanitation system.
 - Your dealer may suggest you add stain and scale control.
6. Your spa should now be ready to enjoy.

Weekly Maintenance:

Proper Maintenance of your spa should include performing the following procedures once a week__

Check Alkalinity, pH, and Chlorine levels

As a new spa owner you'll want to test the levels of Alkalinity and pH once a week for the first few weeks, adjusting the balance when necessary. This will allow you to determine the intervals at which your water balance needs to be adjusted.

You'll also want to test chlorine levels to make sure they are at 3-5 parts per million, or at a low residual level of 1 part per million if using a Vision cartridge.

Spa Shock

If your water remains cloudy after normal filtration, or has an abnormally strong smell of chlorine, you may need to use a spa shock product.

The cloudiness and smell is caused by an extra build up of chloramines in the system. This is caused when dirt and oils that build up in your system normal use become ammonia compounds that bind to the free chlorine in your system to create chloramines. This displaces the free chlorine in your system, rendering it ineffective. Therefore your spa's water will become cloudy and can sometimes give off a gaseous smell.

Shocking the spa using a dealer recommended shock product will break up the chloramines and allow disinfectants to be effective. Contact your local dealer for more details.

Monthly Spa Maintenance:

Filters

You should rinse or clean your spa's filters and inner filter screens, according to the maintenance reminder, which alternates monthly between a rinses and complete cleanings. If you are a new spa owner, you may find you need to clean your filters more or less often, so it is a good idea to inspect your filters once a week for the first few weeks in order to establish proper intervals between cleanings.

You will also want to clean and condition your spa's cover monthly (or as needed based on the exposure of your cover). For more information on cover care, consult your dealer.

Every 3 - 4 Months:

Drain and Fill

Every 4 months you will want to completely drain and refill your spa. One of the benefits of using the Vision cartridge is that you may only need to change your water every 6 months depending on your rate of use. This amount of time is an estimate based on average usage of 2-3 times per week. Your water may need to be changed more or less frequently.

Elsewhere in the manual? To drain your spa, locate the hose bib at the base of the front left corner of your spa as you are facing the upper control panel. Open the valve by turning it out 90 degrees until it is parallel to the pipe. When you know you will be draining your spa, it is a good idea not to add chemicals for a few days before the drain, and to run the spa's circulation system with the cover open. This will allow you to use the drain water in your garden if you wish. With your spa drained, it is a good idea to clean and shine your shell. Refer to your dealer's shell care instructions for further details.

Refill your spa according to the water changing instructions in your spa's user guide.

After refilling your spa, follow your startup water care procedure.

Every 12 Months:

Replace Filters

One recommends that you replace your filters at least once a year, depending on usage. If you are a first time spa owner it is a good idea to keep an extra set of filters on hand in advance until the necessary interval between filter replacements is determined.

Every 18 Months:

Replace Ozone Generator

You will need to replace your Ozone Generator every 18 months. Depending on your spa model you may have the Crystal Pure, Ultrapure or Ultra Pure PLUS water management system on your spa.

The ozone generator uses a UV bulb to create the ozone that is cleaning your spa water. Much like a light bulb in your house, this bulb starts to lose its effectiveness over time and eventually stops producing ozone.

This replacement can be done by a savvy consumer, but we recommend that you consult your local dealer for parts and replacement procedures and services at least the first time.

Take care of your spa and it will take care of you!

Much like an automobile engine or any other sophisticated equipment your spa's water management system needs regular maintenance.

We hope this information helps you feel more comfortable with your spa's regular maintenance routine. After about three weeks, you will see that you don't need to spend more than a few minutes a week keeping your spa in perfect shape, leaving more time to enjoy the benefits of spa ownership.