

# MAINTENANCE

## FILTER CARTRIDGE REMOVAL AND CLEANING

Cleaning mechanical contaminations via continuous water circulation and chemical mixture is a basic requirement for proper cleaning of the spa water. Every spa has an engine designed for this purpose. The circulation engine circulates the water through the filter(s). The filter protects against contamination floating in the water.

Cleaning of the filter cartridges is recommended weekly.

Soaking the filter cartridges in water mixed with chlorine or antialgae agents for 24 hours is recommended monthly.

Changing the filter cartridges is necessary every 3 months.

## SURFACE MAINTENANCE

Wipe the surface with a wet cloth. Always use a neutral cleaning product and a soft wiping cloth. Never scratch the acrylic surface with an abrasive tool, blade, or knife, because it may cause damage. Never use nail polish remover, acetone, or paint stripper when cleaning the surface because it may cause damage.

### Maintenance manual for the control panel of the spa:

- Do not damage the control panel with anything hard. If possible,
- Avoid exposing the control panel to direct sunlight.
- When not using the spa, always use a spa cover.

## WINTERIZATION

Remember to correctly maintain the spa if you are not using it in the winter. If you are not using your spa during the winter months and want to put it out of service properly, call one of our qualified professionals to winterize your spa at a prearranged date and time.

### The winterization encompasses the following:

- Drainage of used water
- Cleaning of the inner surface of the spa
- Dewatering of pipe and jet system
- Dewatering and disconnecting the engine's interface
- Delivery - reception

If the spa is not winterized properly, the system can retain water that can easily freeze during the winter months. This can cause heavy irreparable damage to the pipes and the engine. This will void the warranty.

### Maintenance of the out-of-service spa:

When you are not using the spa, use the thermo cover and fasten it with the buckles. Do not forget! If the spa is filled with water and you are not using it, lift the cover at least once a week to ensure proper ventilation. The thermo cover is multipurpose. Most importantly it decreases the heating time of the water to operational temperature and decreases the energy needed to maintain water temperature, decreasing the operational costs.

Using the cover you can avoid leaves, rain, snow, or other contamination entering the spa water, effectively sealing it off from environmental effects.

Fastening the cover with buckles prevents young children from using it without parental supervision.

## CLEAN THE FILTER CARTRIDGES WEEKLY AS FOLLOWS:

### WARNING!

*Changing the filter cartridges is recommended every 3 months!*

*Operating the spa without a filter cartridge is PROHIBITED*

1. Remove the lid of the filter.
2. Take out the filter cartridge.
3. Clean contamination from the cartridge with water.
4. Soak the cartridge in lukewarm water mixed with chlorine or antialgae agents for 1-2 hours, then rinse it.

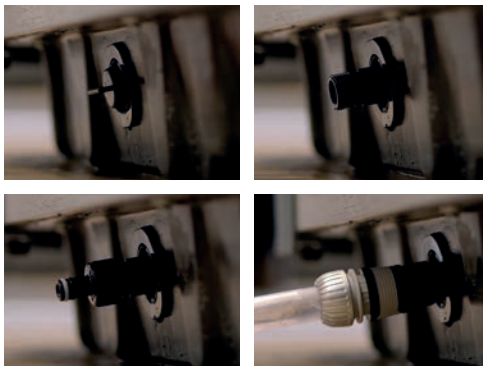
*Never use an alkaline detergent or a high-pressure cleaner to clean the filter!*



## DRAINING THE WATER

*You can drain the water via the drain outlet in accordance with environmental standards.*

1. You'll need a hose, a wet and dry vacuum cleaner, and a bottle of wellis crystal spa cleaner fluid.
2. Pour the cleaner fluid into the water one day before draining and run the open jets at maximum performance for 20 to 25 minutes. The cleaner will remove any lime scale and dirt from the spa and its pipe work.
3. Before draining the spa, remove the filters; this is a good time for cleaning or replacing them.
4. You don't need a pump for draining the water; pull out the draining valve to the limit.
5. Remove the cap and attach the hose.
6. Push back the valve halfway, then rotate and secure it in this position; this will start the flow of water. We recommend rinsing the tub while it drains.
7. When the tub is empty, remove the hose and close the valve.
8. Use a wet and dry vacuum to clean up any remaining water from the spa and the jet nozzles.



## SPA CHEMICAL TREATMENT

### SPA CLEANER (WV00080)

Spa Cleaner has been specially designed for cleaning your pipes and your spa pool. It dissolves calcium and remaining dirt in your lines. We advise to use Spa Cleaner every time you change the water, we recommend to do this every three months. Spa Cleaner is environmentally friendly and bio-degradable.

#### Instructions:

1. Add 250 ml of Spa Cleaner to your spa, 24 hours before changing the water.
2. Make sure all jets and valves are open, and switch on the pumps at full power for 15 minutes. Repeat this 3 times, with enough time in between.
3. Remove the filter before you drain your spa water.
4. Clean the filter with Wellis Crystal Filter cleaner.
5. Rinse out the spa with clean water.
6. Fill your spa and place the clean filter back.
7. Resume your normal water treatment schedule with Wellis Crystal All in one Water treatment.



### ALKALINITY BALANCER (WV00091)

Increases total alkalinity and prevents fluctuating pH values. Alkalinity is important to be able to check the pH value.

#### Instructions:

1. Shake well before use
2. Add 1 or 2 tablespoons of Alkalinity Balancer to the spa water
3. Put your pumps on circulation for at least 30 minutes
4. Test the alkalinity value again and repeat the treatment until the alkalinity value is between 80 and 120 ppm



### BRIGHT AND CLEAR (WV00090)

For neutralizing dirt, soap, oil in all spas. When added regularly, ensures crystal clear water.

#### Instructions:

1. Add 100ml into the spa. Pour product directly into the spa and run the filter system for 1 hour.
2. Rinse the filter unit.
3. Put the filter back and enjoy your spa!



## SPA CHEMICAL TREATMENT

### FOAM DOWN (WV00093)

Anti-foam product for use in spas. Contains no oily substances. Designed for hot water applications.

#### Instructions:

1. Shake well before use.
2. Spray undiluted to the foam.
3. Repeat step two if needed.
4. Enjoy your spa!



### PH MINUS (WV00096)

The pH value of the water in your spa is very important. If the pH value is good, the disinfection products can do their work in a good way. Wellis Crystal pH Minus lowers the pH in your spa.

#### Instructions:

1. Test the pH of your spa
2. If the PH is too high, adjust it with pH Minus.
3. Add 2 ml pH- per 1000 liter water, in order to decrease the pH value with 0.1 point.

### METAL CLEAR (WV00094)

Prevents the accumulation of deposits on the metal components of the spa's nozzles. Interacts with metallic contamination before it can cause invisible deposits in your spa. Neutralizes iron, copper, and other water-bound minerals and keeps them from accumulating on the spa's surfaces and causing damage there.

Use whenever you fill your spa to quickly neutralize metals and prevent unsightly staining.

#### Features:

- Prevents iron, copper, and other minerals from accumulating in the spa.
- Use whenever you exchange the spa's water to quickly neutralize metals and prevent deposits.
- Only use when the entire spa water is being exchanged - the product is of high concentration.

#### Instructions:

- Interval: whenever the spa is being (re-)filled.
- Evenly spread 250 ml of Metal Clear in the spa.
- Run the filter system for 30 minutes.



## SPA CHEMICAL TREATMENT

### FILTER CLEANER (WV00079)

If you clean the filter once a week, it is easier to keep the water crystal clear.

**Instructions:**

1. Take the filter out of your spas filter housing.
2. Fill a bucket with 10 liter hot water, put 2 scoops of Filter cleaner in and leave the filter in this solution for 1-1.5 hours (turn the filters during this process).
3. Rinse the filter, and put it back in its place.



### WELLIS CRYSTAL ALL-IN-ONE (WV00081)

**Instructions:**

- Shake the Wellis Crystal bottle well.
- Add the correct amount to your spa using the table below.
- Let the pump run at full power for 2 minutes.
- Add your disinfectant, for example 1 90/20 chlorine tablet.
- Repeat these steps weekly.