



WATER TREATMENT GUIDE OF YOUR SPA



Pure and sparkling water
for a moment of escape

This manual is designed to provide you with accurate, essential information so that you can relax in healthy water, ensure the smooth running of your spa, and optimise its life span.

By following our advice and using our specific **hth**® SPA products, you will be able to benefit fully from your spa.

In order to maintain your spa's water quality, you must follow 3 important steps:

1 Balance
2 Purify
3 Prevent

1

The water balance

What to do?	Water balance
Why?	For bathing comfort
Using what?	hth® SPA pH MINUS hth® SPA pH PLUS hth® SPA ALKANAL
When?	EVERY DAY After a check using a test kit

Recommended parameters

pH: 7,0 > 7,4 | Chlorine: 3 > 5 mg/l | Bromine: 5 > 6 mg/l

pH characterises the acidity or basicity of the water in your spa. This can vary quite rapidly and lead to discomfort for bathers.

Balancing the water is essential for your bathing comfort and limiting scale and corrosion.

This balance will facilitate the action of the disinfectant and the other treatment products designed to act optimally at a neutral pH level (as close as possible to 7). For the water to be balanced, the pH and the total alkalinity must be maintained within the recommended limits.

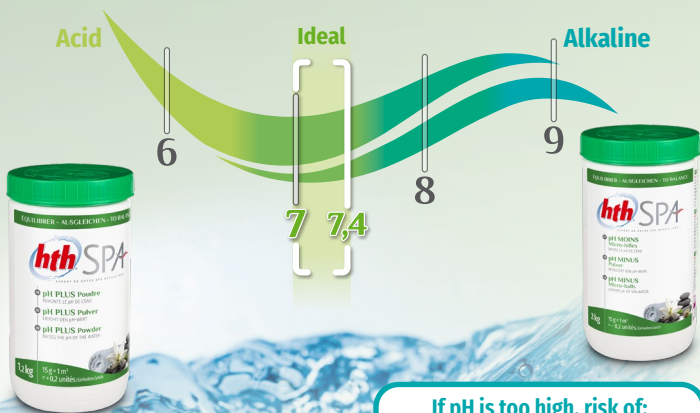
pH

Regulating pH is one of the most important aspects relating to treating the water in your spa.

The pH scale reveals the extent to which the water is acid or base. The pH is measured on a scale of 0 (very acidic) to 14 (extremely basic or alkaline). The value 7.0 is a neutral pH.

You must be diligent in maintaining the pH between 7.0 and 7.4 in order to ensure the longevity of your equipment and the comfort of the bathers.

1 The water balance



If pH is too low, risk of:

- Corrosion of the spa and equipments
- Discomfort to the bathers (irritation, smells etc.)
- Increase in the cost of treatment

If your pH is below 7.0,
raise it using

hth® SPA pH PLUS powder

If pH is too high, risk of:

- Calcium deposits on walls and pipework
- Cloudy water
- Irritation of eyes and skin
- Decrease in sanitizer efficiency
- Increase in the cost of treatment

If your pH is above 7.4,
lower it using

hth® SPA pH MINUS micro-balls

Two other tests can improve the quality of the water: alkalinity and water hardness tests. These tests should be carried out at least once a month or whenever a problem occurs.

ALKALINITY

The alkalinity of the water in the spa moderates the variations in the pH. The recommended value is between 80 and 120 mg/l. If the alkalinity falls below 80 mg/l, the pH may fluctuate considerably and lead to the issues seen previously (corrosion of the equipment, discomfort for the users, etc.).

1 The water balance

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To increase the alkalinity, add the **hth® SPA ALKANAL** product according to the instructions on the label.

If the alkalinity becomes too high, it is difficult to adjust the pH and scale may appear. High alkalinity can be reduced by using the product **hth® SPA pH MINUS** micro-balls.



Check the balance of your water:

Generally speaking, two simple tests are required to carry out daily: one for measuring the pH and one for measuring the disinfectant level.

Water analysis can be done using test strips or tablet kits.

When you decide to purchase a test kit, it is important to choose one that is compatible with the method of treatment you are using: there is one suitable for treatment using bromine and one suitable for treatment using chlorine.

If you have the slightest doubt, please do not hesitate to ask your **hth® SPA** retailer for advice.



2 The disinfection

What to do?	Regular disinfection	Shock disinfection
Why?	For a clear and safe water	To purify the water at the opening of the spa, after swimming or in case of green/ cloudy water
Using what?	chlorine / bromine / Activ Oxygen hth [®] SPA STABILISED CHLORINE TABLETS or hth [®] SPA BROMINE TABLETS or hth [®] SPA ACTIVE OXYGEN TABLETS	hth [®] SPA FLASH DISINFECTION STABILISER-FREE CHLORINE or hth [®] SPA FREE CHLORINE SHOCK POWDER
When?	EVERY DAY After a check using a test kit	REGULARLY Depending on the spa visits and water quality

Your spa has been filled with fresh water directly from the tap (public network). Why is additional treatment necessary?

The answer is simple: given that the spa's water is both hot and constantly moving, it provides ideal conditions for the proliferation of microbes and bacteria. This is why we recommend that you follow the instructions below:

SANITISE THE WATER UPON START-UP

Disinfect your spa's water with **hth**[®] SPA FLASH DISINFECTION.

DISINFECT CONTINUOUSLY

Use an **hth**[®] SPA product belonging to the "Disinfection" range. These products are based on chlorine, bromine and active oxygen. Treating the water is essential for users' health and for your equipment.



2 The disinfection

CARRY OUT REGULAR SHOCK TREATMENT

Regularly carry out a shock treatment using **hth® SPA NON-CHLORINE SHOCK powder** or **hth® SPA FLASH DISINFECTION**.

Indeed, although the water is constantly being recirculated, filtered and sanitised, micro-organisms capable of resisting normal levels of disinfectants may survive in the circulation system.

There is then a risk of contamination by bacteria (for example: legionnaire's disease).

CHANGE THE WATER EVERY TWO MONTHS

Drain your water depending on how frequently you use it. If the spa is intended for family use, we recommend completely draining it once every two months.

To clean the inside of the spa during periodic drainage operations, before refilling it with fresh water, use **hth® SPA SPA CLEANER**.



3 The spa's filtration

What to do?	Specific treatments
Why?	To anticipate or solve water issues
Using what?	hth® SPA ANTI-SCALE hth® SPA ANTI-FOAM hth® SPA FILTER CLEANER hth® SPA BRIGHT WATER 3 IN 1 hth® SPA SPA CLEANER hth® SPA WATER LINE CLEANER hth® SPA SPACLEAN
When?	REGULARLY Depending on the spa visits and water quality

The spa consists of two components:

1 The pump, which guarantees water circulation throughout the system.

2 The filter, which removes small particles which could create turbidity in the water.

It is important to follow the manufacturer's instructions relating to the pump's operating times.

There are two categories of filter: the sand filter and the cartridge filter. It is recommended that, depending on how frequently they are used, both should be cleaned and descaled approximately 3 times a year, using the **hth® SPA FILTER CLEANER**. This is essential for eliminating the minute particles likely to cause turbidity in the water.



3 The spa's filtration



Here are a few simple rules you should always bear in mind:

- Keep the chemicals in their original packaging.
- Keep the chemicals in their closed packaging when you are not using them.
- Keep all the chemicals out of the reach of children.
- Never mix chemicals with each other. When you mix them in water, always add the products to the water, rather than adding water to the products.
- Store your **hth**[®] SPA chemicals in accordance with the instructions shown on the packaging.
- If you accidentally spill a product, clean it up immediately. If it is a solid product, use a shovel and a brush, and add it to your spa in small quantities at a time. Do not put the products back into their original packaging and do not use a household vacuum cleaner.
- Use biocides safely. Always read the label and product information before use.

PERFUMES SPA

enjoy the benefits of aromatherapy

● 2 fragrances available in 200ml bottle:

- Eucalyptus
- Monoi



[hthspa.com](https://www.hthspa.com)

USE WATER TREATMENT CHEMICALS WITH CARE. BEFORE USING THE PRODUCT, BE SURE THAT YOU HAVE FULLY READ THE INFORMATION AND INSTRUCTIONS ON THE LABEL.