



## Benefit of Alventi Spa.....

There are four important factors to consider when choosing your new Spa;

- 1) Water Management
- 2) Energy Management
- 3) Hydrotherapy
- 4) Spa construction

Each is important in its own right but let's look at each point in more detail.

### 1) [Water Management](#)

Spas are self-contained with the water being changed approximately every 3 months. Therefore it is extremely important the water is treated correctly to keep it clean and suitable for use to get the best experience out of your spa.

Much like swimming pools, spas can be treated with chemicals, typical chlorine or bromine to kill bacteria and keep the water healthy.

Alventi spas also use another highly effective method of cleaning your spa - ozone. Ozone is generated in-situ in the spa and injected directly into the filtration system.

Ozone kills bacteria on contacted so it is important that it touches every part of the water to clean it properly. Alventi spas use a special mixing chamber in the filtration system along with a mozzie injector to create nano bubble of ozone

which ensures a 99.9% mixing ratio with ozone and water. Ozone only kills the bacteria that it touches so this is very important. Other spas inject ozone directly into the spa and therefore only treat a small proportion of the spa water. The Alventi ozone system generates up to 500mg/hour of ozone, nearly twice that of other leading ozone systems making sure that the water is kept in peak condition.

Ozone is a toxic substance but only survives for 15 seconds before returning to normal oxygen. The entire ozonation process happens in the filtration system of the spa, not in the tub itself. This means ozone never comes into contact with the occupants so no irritation can occur. It also means that the spa cover will not be tarnished by ozone exposure. It will still be necessary to treat the spa with a small amount of bromine, chlorine or other suitable spa cleansers but the Alventi ozone system will reduce the amount of chemicals needed by up to 75%. This is both kinder to the skin and more economical to run.

## 2) Spa Economy

An important factor when choosing your spa is the running cost. The more economical and energy efficient your spa then the less it will cost.

Alventi use a sealed cabinet design which insulates the shell and traps heat inside the cabinet. This not only stops heat escaping but it actually captures heat from the pumps and uses it to heat the water. External fans on the pumps distribute heat within the cabinet. This process allows the spa to use 35% less electricity through maximising efficiency. Alventi use sealed motor pumps which are quieter and twice as durable as other designs giving both a more relaxing spa experience and peace of mind for your spa ownership. Each pump is fitted on a 3/4" rubber mount to dampen vibration and eliminate noise.

Each Alventi spa has a dedicated filtration pump, circulation pump and hydrotherapy jet pump. This achieves two things;

- 1) Increases the durability of the pumps by distributing the workload
  - 2) Increases economy and efficiency of the spa by only running the necessary pumps
- The control panel on the spa only allows the heating and filtration system to run whilst the hydrotherapy pump is stopped and vice versa. This makes sense as the water will already be hot before you use your spa. This allows the spa to use less overall power consumption increasing the economy.

The control panel allows you to program the filtration cycles according to your personal use and thus further increasing spa efficiency.

Insulation of your spa is critical to making it cost-effective to run. Each Alventi spa cabinet is a sealed design with 1 1/2" CORK thermal insulation layer placed at the full bottom of the spa and around the cabinet. Cork is the best natural insulator for your spa maximising efficiency of the insulation whilst remaining kind to the environment, Cork is fire resistant and waterproof, this special material is the best thermal insulation for Hot tub. It also keeps the water heat at all times and remains its temperature capture. This means flammable chemical foams are not necessary required to insulate the inner spa and also keeps the cabinet clear and uncluttered. This means that if a leak does occur it can be quickly identified and repaired unlike foam filled cabinets which could be very time consuming and costly to fix.

### 3) Hydrotherapy

A good spa will be designed to give you the maximum benefit from the hydrotherapy jets. Different seating positions and jet configurations will massage different areas of the body to leave you feeling relaxed and invigorated.

The following are some of the main health benefits you can expect from a good spa:

- 1) More regular and deeper sleep patterns
- 2) Better circulation
- 3) Reduces blood pressure and headaches from the stress of the workplace
- 4) Reduces body weight by 90% taking strain off joints and muscles
- 5) Helps to relax and recover from exercise

It is essential to get the configuration and power of the jets correct to maximise the health benefits. If the jets are not powerful enough you will not get the full massage effect and if they are too powerful you may be overwhelmed and uncomfortable.

Finding the right balance is essential to get the best out of your spa experience.

Everyone is different so finding the correct spa is very much a case of doing your research and wet-testing until you find your ideal match. At Alventi we have a large range of models allowing you to find the right spa for you. Every spa comes with a diverter valve for every hydrotherapy pump and each jet is individually adjustable allowing you to configure your spa to your requirements.

### 4) Spa Construction

The construction of your spa is important for its durability.

Let's start with the shell. Alventi spa shells are moulded from high-quality acrylic before being reinforced with no-less than 5 layers of fibreglass. The fibreglass sets rock hard and gives the spa its strength.

The next part is the frame. Alventi spa frames are made from treated wood as opposed to metal. This makes the frame more rigid as wood does not bend like metal. Mixing metal, water, air and chemicals also means rust therefore wood is far more durable than metal for this purpose.

The base of every Alventi spa is made from tough fibreglass. This makes it extremely durable and means that your spa can be placed on almost any level surface as it will not flex and damage the shell. It also gives a waterproof membrane between the frame and the damp ground. In addition it means that you won't get any uninvited wildlife looking for a nice warm bed in your spa cabinet.

All Alventi spa plumbing is barbed, glued and clamped to ensure no leaks occur. In addition to this manifold plumbing is used through out to equally distribute water pressure throughout. This makes sure that every jet receives the right pressure to give you the very best experience from your Alventi spa.

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