

Blue Lagoon

UV-C and Pool equipment

*Ultimate clean water for
hot tubs and spas*





SpAOP is here. The future of ultimate spa water

Redefining pristine, healthier spa water

Blue Lagoon, the internationally trusted name in UV-C water treatment, proudly introduces SpAOP, our latest innovation for spa and hot tub owners who value clean, safe, and healthy water. Designed for spa owners, professional installers, and forward-thinking Spa producers, SpAOP provides the newest solution to water disinfection, eliminating the harmful effects of traditional Ozone and Chlorine treatments.

Are you looking for top quality water treatment with maximum efficiency? A solution that is eco-friendly and gets rid of the typical "pool smell" and irritation?

You've found it.

Clean spa water without the harmful effects of ozone and chemicals

Maintaining clean, fresh spa water over time can be a challenge. Standard treatments, like Ozone or high amounts of Chlorine, come with unwanted side effects. Ozone treatments in particular are increasingly restricted due to their harmful impacts on health and the environment, while Chlorine is notorious for its byproducts resulting in strong smell and potential to cause skin and eye irritation.

Ready to say goodbye to red eyes, harmful odors, and hello to a cleaner, greener spa experience?

Keep reading!



Scan the QR for more information



Leading innovations in

Advanced water quality without the compromise

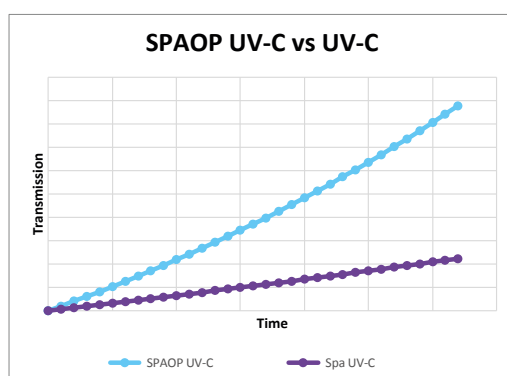
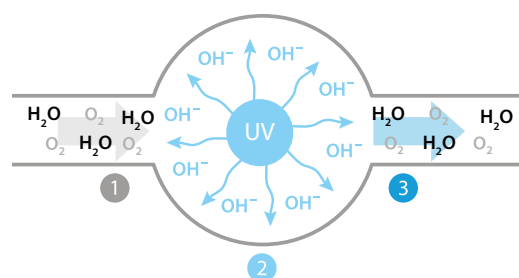
More Than Just a Replacement

SpAOP delivers beyond conventional systems and combination setups. With our new SpAOP units, you no longer have to compromise between clean water and a healthy, relaxing spa experience. Unlike traditional systems that rely on harsh chemicals or ozonators—now banned in many regions—SpAOP offers an eco-friendly alternative that is safe for you and the environment.

The 185 nm UV-C light triggers an oxidation process that goes beyond the limitations of ozone. By forming highly reactive hydroxyl radicals, the SpAOP system delivers superior disinfection and oxidation without producing harmful by-products like ozone. This can reduce chlorine use by up to 80% and maintaining safe, pleasant water without the overwhelming chemical smell or irritation.

What is AOP exactly?

SpAOP isn't just a replacement, it's an upgrade to a higher standard of water care. AOP, or *Advanced Oxidation Process*, is a combination of UV-C light and oxidation technologies that create hydroxyl radicals. These radicals break down bacteria, viruses, and other harmful microorganisms as well as other organic and inorganic contaminations. This process is fast and highly efficient, making it perfect for spas and hot tubs. Our direct AOP does not need ozone to create radicals, so we bypass any negative by-products found with traditional solutions altogether.



Destroy harmful pathogens

Hydroxyl radicals destroy viruses and bacteria in addition to organic and inorganic contaminants.



Removes odors & irritations

Chloramines cause irritation and the typical "pool smell," but AOP eliminates sweat and other contaminants without using ozone.

water disinfection



SpAOP systems for every hot tub and spa

A perfect fit, easy to install and maintain

With over 40 years of experience in the Pool & Spa industry, Blue Lagoon now also offers a variety of SpAOP models to suit every need. Whether you are looking for a compact system for a small spa or a high-capacity model for larger hot tubs, Blue Lagoon has you covered.

The SpAOP system integrates seamlessly into any hot tub or spa, whether for a retrofit or new installation. Its compact design fits easily into your setup, and the durable UV-C lamp minimizes maintenance, letting you enjoy a cleaner, fresher, healthier spa with ease.

21 W U20



21 W



21 W Z20



Product USP's

All new SpAOP models use our direct UV-C radical generation technology, offering a cost-efficient and environment-friendly alternative by eliminating the need for ozone generation.

- Oxidation and disinfection combined.
- Multiple connection sizes and shapes.
- Easy installation and maintenance.
- Designed and manufactured in the Netherlands.



Why choose SpAOP?

Benefits of our SpAOP units compared

Innovations in the pool and spa market are always moving, and you can trust Blue Lagoon to lead the way. To better understand the difference between conventional spa water disinfection units, and our new SpAOP, here's an overview. When comparing traditional spa water treatment methods to SpAOP, the difference is clear:

Feature	Traditional Systems	SpAOP
Disinfection	✗ Chemicals + ozone	✓ AOP (=UV-C hydroxyl radicals)
Environment	✗ Ozone Emissions. High Chemical Use	✓ No emissions, No chemicals
Water Quality	✗ Pool Smell, irritations	✓ No pool smell, non-chemical
Maintenance	✗ Complex. Frequent	✓ Easy. Low-Maintenance
By-products	✗ Chloramines, ozone.	✓ No ozone. Chloramine reduction

Technical Information

Our new SpAOP models have the following technical specifications. Some models may vary, always consult with our support team in case of questions.

- UV-C lamp specially designed for high-temperatures (+40°C / #104°F)
- Compact in size for easy installation
- Standalone electronic ballast; for more installation flexibility
- Made in the Netherlands

LED indication

An easy LED indication. Once switched on, the system will check itself.

Installation

The Blue Lagoon SpAOP UV-C 21 W can be fitted with an N-Lok connector making it possible to connect to most Spa control boards.

Max. pressure: 1 bar. 20mm, 50mm, 1.5" connections.



VGE - Experts in UV since 1982



VGE: the company behind brands such as Blue Lagoon

VGE B.V. is a global leader in UV water treatment systems, serving diverse domestic and industrial sectors. Safe and sustainable water is essential for our future. It is our mission to continually innovate environment-friendly systems for water treatment. Whether it is a private or public pool, or a large crop plantation, VGE systems guarantee water quality using UV, using less chemicals. Located in the southern part of the Netherlands, we are renowned for manufacturing a unique range of UV-C equipment. Our focus lies in delivering high-quality products and fostering harmonious collaboration with our customers. Being situated in the Brainport

Region, the Netherlands' top technology hub, fills us with pride. As a global leader in the field, VGE B.V. specializes in the development and production of UV-C equipment for various water treatment applications. We continually launch new products and enhance existing ones, leveraging large-scale production to offer exceptional price-quality ratios. Sustainability is embedded in our processes, prioritizing environmental friendliness and energy conservation. With over 40 years of expertise since 1982, our advanced products serve customers in more than 70 countries worldwide.

Blue Lagoon
A VGE BRAND

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MADE IN THE NETHERLANDS

UV EXPERTS SINCE 1982

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