



Synergy LTS AOP UV

Secondary Disinfection System



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Combined Disinfection for Enhanced Water and Air Quality

The Synergy LTS AOP UV system combines UV and ozone oxidation in one streamlined unit to improve water and air quality across a wide range of aquatic facilities. Designed for commercial use, it offers a smart, cost-effective approach by integrating both primary and secondary disinfection methods into a single, compact system.

This dual-action system delivers exceptional disinfection performance, helping facilities meet higher water quality standards while improving indoor air conditions by reducing chloramines.

Engineered for long-term reliability, ease of maintenance, and future scalability, the system simplifies pool water management while delivering exceptional results. As demand increases, its modular design allows for straightforward upgrades to support higher bather loads.

Key Benefits

- ◆ Lower capital investment compared to separate systems
- ◆ High oxidation strength through combined UV and ozone treatment
- ◆ Complete ozone destruction within the reactor with automatic interlock to UV output
- ◆ The reactor is compatible with salt, mineral, calcium, or bromide systems
- ◆ Designed and built in Australia, with readily available service items
- ◆ Remote start/stop, lamp change indicator, UV monitor, and 4-20mA UV intensity signal
- ◆ Commercial-grade titanium/quartz corona discharge ozone module
- ◆ Single GPO output for an optional ozone booster pump
- ◆ UV ballast for high performance and reliability

Applications

As part of the LTS (Learn to Swim) series, the Synergy LTS AOP UV system is specifically designed for high-traffic aquatic environments. It is ideal for:

- ◆ Swim schools
- ◆ Hotels and resorts
- ◆ Spas and wellness centres
- ◆ Owners corporation and strata pools
- ◆ Water features and fountains
- ◆ Children's splash and wet play areas





How it Works

Ozone Treatment

Ozone (O₃) is a powerful oxidiser that effectively neutralises waterborne pathogens such as Cryptosporidium, E. coli, Giardia, and fungi. Unlike chlorine, ozone breaks down into oxygen, leaving no chemical residues. It helps reduce chlorine odour, eye and skin irritation, and minimises filter backwashing, which conserves water.

UV Treatment

Ultraviolet light inactivates a broad range of microorganisms and reduces combined chlorine levels. As a chemical-free process, it improves safety for bathers and staff, delivering clearer and softer water. UV systems are energy-efficient and treat high volumes of water at a low operational cost, enhancing the overall experience in indoor aquatic environments.

Models

Model	Flow Rate
LTS 1	40m ³ /hr
LTS 2	80m ³ /hr
LTS 3	120m ³ /hr

Specifications

Features	Value
Power Supply	240 VAC 50 hz
Minimum Circuit Amps	20 A (with booster pump)
Power Consumption	0.7–2.4 kW (1 to 3 lamps, no booster)
Maximum Booster Pump	1kW
Water Connections	4" flanges
UV Chamber Dimensions*	1295 mm (L) × 350 mm (W)
Power Centre Dimensions	[Insert dimensions if available]

*Allow 600mm height for the ozone injection assembly. This **must be mounted** on the inlet side of the UV chamber.

Upgrade Options

- ◆ BMS integration and fault/status relays
- ◆ Remote monitoring modem (via Waterlink)
- ◆ Automated sleeve wiper system
- ◆ Ozone booster pump and injection manifold
- ◆ Custom specifications (subject to review)
- ◆ Outlet strainer



System Compatibility

The Synergy LTS AOP UV system is compatible with most commercial pool systems available on the market.



Support

Our team of experienced technicians is available for both scheduled and emergency support. We also provide staff training and comprehensive educational materials to ensure your team is confident in managing the system from day one.



Warranty

Waterlink products are engineered for durability. Our warranty provides protection against manufacturing faults and unexpected issues. For full details, visit our [website here](#).



Need More Information?

Contact us for more details or to request a tailored recommendation.

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