



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 ultraviolet light and ozone oxidation in one streamlined unit to significantly improve water and air quality across commercial aquatic facilities. Engineered for high-traffic environments, it provides a compact, cost-effective solution by integrating both primary and secondary disinfection methods into a single system.

Designed for long-term reliability, ease of maintenance, and future scalability, this dual-action system simplifies water management, improves compliance, and enhances indoor comfort by reducing chloramines. Its modular design allows straightforward upgrades to meet growing demand and higher bather loads.

Key Benefits

Cost & Performance

- ◆ Lower capital investment compared to installing separate UV and ozone systems
- ◆ High oxidation strength through combined UV and ozone treatment
- ◆ Commercial-grade titanium/quartz corona discharge ozone module

Operation & Maintenance

- ◆ Remote start/stop function
- ◆ Lamp change indicator and UV monitor 4-20mA UV intensity signal
- ◆ UV ballast designed for high performance and reliability

Compatibility & Integration

- ◆ Reactor compatible with salt, mineral, calcium, and bromide systems
- ◆ Complete ozone destruction within the reactor with automatic interlock to UV output
- ◆ Single GPO output for an optional ozone booster pump
- ◆ Designed and built in Australia with local support and service items

Applications

The Synergy LTS AOP UV system is designed for commercial aquatic environments with high or increasing bather loads. 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 eliminates waterborne pathogens such as Cryptosporidium, E. coli, Giardia, and fungi. Unlike chlorine, ozone leaves no chemical residue, breaking down into oxygen after use. It reduces chlorine odour, eye and skin irritation, and helps minimise backwashing, conserving water and chemicals.

UV Treatment

UV systems are energy-efficient and treat large water volumes with low operating costs. UV light inactivates a wide range of microorganisms and helps reduce combined chlorine levels. As a chemical-free process, it improves safety for bathers and staff while delivering clearer, softer water, making them ideal for indoor pools.

Available Models

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

Upgrade Options

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

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	800mm (H), 600mm (W), 300mm (D) IP66 rated Gland Plate

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



System Compatibility

Compatible with most commercial pool systems. Integration support available via Waterlink's technical team.



Support & Service

Our experienced technical team is available for both scheduled servicing and priority support. We also offer product training and detailed guides to ensure your staff are confident operating and maintaining the system from day one.



Warranty

Waterlink systems are built for durability. This product is backed by our standard commercial warranty. For full warranty terms and coverage, please visit www.waterlink.com/warranty



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Looking for More Solutions?

Waterlink offers a full range of systems designed to support water quality, operational efficiency, and long-term performance across all commercial aquatic environments:

- ◆ Onsite Chlorine Generation
- ◆ Chemical Dosing Systems
- ◆ Secondary Disinfection
- ◆ Remote Monitoring
- ◆ Filtration Sub-Boards

Explore the full range: www.waterlink.com/products

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