



# Cleaner, Safer Water Through UV Disinfection



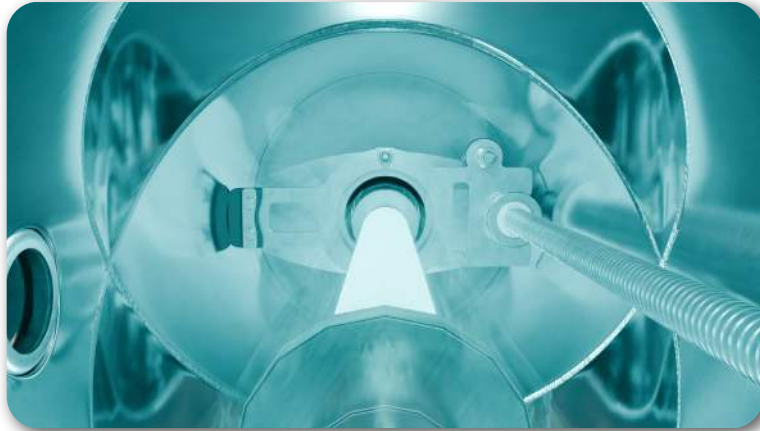
**Safer and More Enjoyable Experience**

Efficient UV disinfection for pools, spas, and aquatic venues.

[www.nuvonic.com](http://www.nuvonic.com)

# Protecting with the Power of Light

---



## What is UV Disinfection?

UV disinfection is a highly effective, chemical-free method for eliminating harmful microorganisms from water using ultraviolet (UV-C) light. This high-energy wavelength penetrates pathogens at the genetic level, neutralizing their ability to reproduce and cause harm. While chlorine remains the primary disinfectant for many systems, it has limitations against chlorine-resistant pathogens.

UV disinfection acts as a powerful secondary barrier, targeting chlorine-resistant organisms such as Cryptosporidium and Giardia, as well as Pseudomonas and Enterococcus.

*UV-C germicidal wavelength penetrates microbial cells, disrupting their DNA and rendering them inactive.*

# Cleaner, Safer, More Enjoyable Water

---

## Benefits of **using UV**

When chlorine reacts with organic material in pool water, it forms chloramines. These collect at the water's surface and cause sore eyes, breathing irritation, and the strong 'chlorine smell' often linked with pools.

UV treatment reduces the level of chloramines, creating a more comfortable swimming experience, fresher air quality, and helping to protect fixtures like ladders and handrails from corrosion, extending the life of your pool.



Reduces skin and eye irritation



Removes unpleasant odour



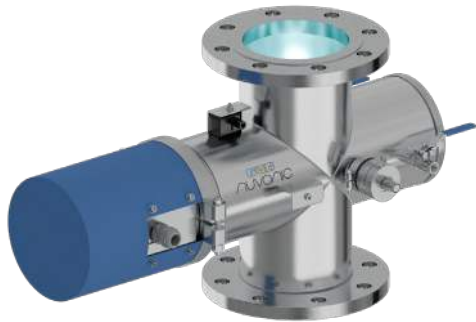
Improves air quality



Extends lifetime of steel pool equipment

# The Future of Pool Water Disinfection

---



Designed for continuous operation, UVShield requires just one annual service\* and features highly efficient, long-life medium pressure lamps with 9,000\* hours runtime. With lower power consumption and cost-effective spares, it delivers outstanding performance with exceptionally low running costs.

Compact and powerful, UVShield helps maximize space without compromising performance.

- 7 Inch HMI Touch Screen
- Efficient Long-Life Medium Pressure Lamps
- Compact Design
- Built-in Lamp Safety Disconnect
- Temperature Sensor
- LED Indicators for Quick Diagnostics
- Power Saving Features
- Comprehensive Product Range
- Water Leak Detector
- Dry UV Sensor

*\*Typical runtime of Nuvonic MP lamps is 9000 hours in company recommended operational conditions.*

# Engineered for Performance. Designed for Simplicity.

---



Design for continuous operations



Compact fit, ideal for small plant rooms



Built for ease of use



Reduced corrosion of steel structures



Low cost of operation and maintenance



Protection against chlorine resistant organisms  
*(Cryptosporidium & Giardia)*



Lower power consumption



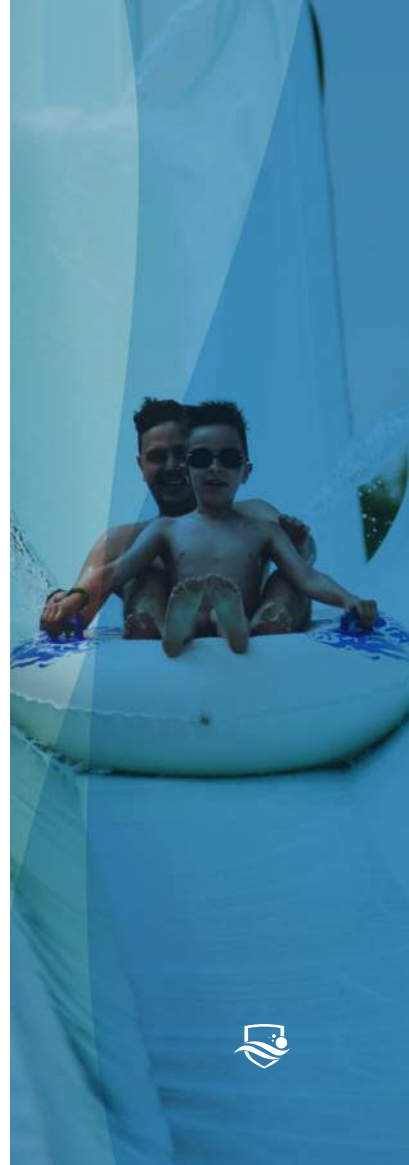
Enhanced user and employee experience



Safety indicators reduce the risk of overheating or UV exposure



Comprehensive range from spas to large aquatic venues



# Built For What Matters. Performance & Safe Water.

## Touch Screen Display

The software is designed to indicate operation status and treatment performance. It has an intuitive user interface for local start/stop of the system and menu access.

## Traffic Light Based Indicators

The LED indicators show system status as green = healthy, yellow = active warning, red = fault/trip with audible alarm.

## Power Saving Features

UVShield is built for continuous operations. The automatic UV dose monitoring uses only the optimal amount of power. Such power saving features ensure lower cost of operation and maintenance.

## Built-in Safety

Features that detect overheating, water-leaks and protect against UV exposure.

## Easy to Service

Designed for easy and economic servicing that saves overall cost of ownership.



# Quality You Can Trust. Support Wherever You Are.

Key system components are designed and manufactured by Nuvonic. This vertical integration of critical components and operations not only ensures a robust, protected and reliable supply chain but also makes Nuvonic a unique UV solution provider.

The ability to manufacture our own medium-pressure UV lamps allows Nuvonic to optimize both lamp technology and system design - delivering an 'Application-optimised UV' system with reliable, and high-performance results.



Backed by a global network of trusted partners, Nuvonic ensures that every system is supported with genuine spare parts and professional service. Reliability, performance, and peace of mind for the long term.

## A Complete **Solution**

With UVShield, you're not just buying a system, you're backed by Nuvonic's global strength and reliability.

**Genuine Parts. Serviced Worldwide.**





# Contact Us

We'd love to hear from you

+44 (0) 1753 515 300  
emea@nuvonicuv.com

EMEA Office  
780 Buckingham Ave  
Slough  
SL1 4LA  
United Kingdom

+1 980 256 5700  
americas@nuvonicuv.com

Americas Office  
4215 Stuart Andrew Blvd.  
Suite E  
Charlotte  
NC 28217

+86 (0) 21 6167 9599  
apac@nuvonic.cn

Nuvonic Shanghai Limited  
Room 301, 3rd Floor, Building 41  
No. 99 Huajia Road  
Songjiang District  
Shanghai PRC

+49 (0) 2268 90 8300  
germany@nuvonicuv.com

Nuvonic GmbH  
Hungenbach 1D  
D-51515  
Kürten  
Germany

SCAN ME



Scan to discover how **UVShield** keeps your aquatic venue clean, clear, and safe for everyone.

[www.nuvonic.com](http://www.nuvonic.com)