

# Certikin

## Certikin UV Clarifier

### Features

- Prevents algae and clarifies water
- Kills bacteria, viruses and spores
- Reduces chemical consumption
- Salt water compatible
- Reduces chloramines



Easy to install and use. The Certikin UV Clarifier provides perfectly clean and clear water.



Made in the UK

## Certikin UV Clarifier

**T**his unit has been specifically designed to help prevent green water in swimming pools and swimming ponds. It works by emitting 254nm UV light inside a sealed tube, damaging and destroying single celled algae which cause green water. This clarifier will help clear green water and prevent it coming back

### No more red eyes

Chloramines are the byproduct of the reaction that takes place when chlorine reacts with waste brought into the swimming pool by bathers (urea, ammonia etc). High chloramine (combined chlorine) levels are the cause of red eyes, itchy skin and the chlorine odour that is often associated with swimming pools. Low pressure UV-C breaks down monochloramines reducing the associated symptoms and the amount of chemicals required to keep the water clean and safe, allowing the pool to be operated at a lower free chlorine level.

### Easy to install

The CUV is installed in the plant room after the filter and before the salt water chlorine generator or tablet feeder if used, on the return line to the pool. Every CUV is simple to install and is supplied with pre-fitted stainless steel mounting brackets that allow you to fix the unit horizontally or vertically. All units are supplied with 1.5" male threaded unions, and flexible hose connectors or metric fittings can be supplied upon request.

### Designed for best performance

The design of the CUV optimises flow rates and improves energy efficiency, with the sole focus to deliver optimum performance at all times to clarify swimming pool water. They come with high output UV bulbs powered by energy efficient ballasts, all housed within a watertight, robust housing that is fused with thermal overload



protection. Made from HDPE for its highly reflective properties, the unit is fully UV stabilised and its tough outer casing has translucent ends that glow when the UV is operational. The unit is fully C E and UL compliant and is supplied as standard as 50Hz. A 60Hz model is available on request.

### Minimal Maintenance

The effectiveness of UV bulbs diminishes over time therefore the bulbs will need to be replaced periodically. CUV bulbs will last for 9000 hours or two years (assuming that the pool filtration system is operational for 24 hours a day for 6 months of the year). We also recommend replacing the quartz sleeves at the same time to preserve the light efficiency of the unit. Replacement bulbs and quartz sleeves are readily available from your CUV stockist.

### Salt chlorination compatible

The CUV is fully compatible with salt water chlorine generators, allowing for a lower level of chlorine to be used whilst still enjoying completely safe swimming pool water.

**Note:** It is important to ensure that a residual sanitiser (such as Chlorine or Bromine) is present in the water to keep the water clean and healthy to swim in.

## Certikin UV Clarifier Models

6 models are available for pools between 15,000 (15m<sup>3</sup>) and 110,000 (110m<sup>3</sup>) litres for larger pools or higher flow situations, multiple units can be used together.



### **CUV-15N**

Suitable for swimming pools up to 15,000 litres (15m<sup>3</sup>) with a maximum flow rate of 7,500 litres (7.5m<sup>3</sup>) per hour.



### **CUV-25N**

Suitable for swimming pools up to 25,000 litres (25m<sup>3</sup>) with a maximum flow rate of 10,000 litres (10m<sup>3</sup>) per hour.



### **CUV-30N**

Suitable for swimming pools up to 30,000 litres (30m<sup>3</sup>) with a maximum flow rate of 15,000 litres (15m<sup>3</sup>) per hour.



### **CUV-55N**

Suitable for swimming pools up to 55,000 litres (55m<sup>3</sup>) with a maximum flow rate of 20,000 litres (20m<sup>3</sup>) per hour.



### **CUV-75N**

Suitable for swimming pools up to 75,000 litres (75m<sup>3</sup>) with a maximum flow rate of 25,000 litres (25m<sup>3</sup>) per hour.



### **CUV-110N**

Suitable for swimming pools up to 110,000 litres (110m<sup>3</sup>) with a maximum flow rate of 35,000 litres (35m<sup>3</sup>) per hour.

## Technical Specifications

	CUV-15N	CUV-25N	CUV-30N
For swimming pools up to (litres)	15,000	25,000	30,000
Max flow rate (litres/hour)	7,500	10,500	15,000
Bulb type	T8	T8	T8
Bulb life (hours)	9,000	9,000	9,000
Electronic Ballast	✓	✓	✓
Inlet - Outlet UK models	2 x 1.5" plain socket	2 x 1.5" plain socket	2 x 1.5" plain socket
Inlet - Outlet EU models	2 x 50mm plain socket	2 x 50mm plain socket	2 x 50mm plain socket
Electrical rating	110-240V 50-60Hz	110-240V 50-60Hz	110-240V 50-60Hz
Dimensions L x H x D (mm)	450 x 167 x 88	450 x 167 x 88	1000 x 167 x 88

## Technical Specifications

	CUV-55N	CUV-75N	CUV-110N
For swimming pools up to (litres)	55,000	75,000	110,000
Max flow rate (litres/hour)	20,000	20,000	35,000
Bulb type	T8	T8	T8
Bulb life (hours)	9,000	9,000	9,000
Electronic Ballast	✓	✓	✓
Inlet - Outlet UK models	2 x 1.5" plain socket	2 x 1.5" plain socket	2 x 2" plain socket
Inlet - Outlet EU models	2 x 50mm plain socket	2 x 50mm plain socket	2 x 63mm plain socket
Electrical rating	110-240V 50-60Hz	110-240V 50-60Hz	110-240V 50-60Hz
Dimensions L x H x D (mm)	1000 x 187 x 88	1300 x 167 x 88	1050 x 270 x 180

If you require further technical information  
please do not hesitate to contact us



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