




Certikin UV Systems

For perfectly clean and clear water

Certikin
FLUIDRA

A woman with long reddish-brown hair, wearing a black one-piece swimsuit and a white watch, is swimming underwater in a pool. She is in a graceful, horizontal position, with her head above water and her legs extended. The water is clear blue, and sunlight creates shimmering patterns on her skin and the water's surface. In the background, the pool's edge and a ladder are visible.

These units have 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.

Features

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



No more red eyes

Chloramines are the by-product 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 mounting brackets that allow you to fix the unit horizontally or vertically. All units are supplied with 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 and are fused with thermal overload protection. Made from HDPE for its highly reflective properties, the unit is fully UV stabilised and has translucent ends that glow when the UV is operational. The unit is fully CE 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, quartz sleeves and control boxes 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 System Models

7 models are available for pools between 15,000 (15m³) and 150,000 (150m³) litres for larger pools or higher flow situations, multiple units can be used together.



CUV-15V3

For pools up to 15,000 litres (15m³).
Maximum flow rate of 7,500 litres (7.5m³) per hour.

CUV-25V3

For pools up to 25,000 litres (25m³).
Maximum flow rate of 10,000 litres (10m³) per hour.



CUV-30V3

For pools up to 30,000 litres (30m³).
Maximum flow rate of 15,000 litres (15m³) per hour.

CUV-55V3

For pools up to 55,000 litres (55m³).
Maximum flow rate of 20,000 litres (20m³) per hour.



CUV-75V3

For pools up to 75,000 litres (75m³).
Maximum flow rate of 25,000 litres (25m³) per hour.



CUV-110N

For pools up to 110,000 litres (110m³).
Maximum flow rate of 25,000 litres (25m³) per hour.



CUV-220N

For pools up to 150,000 litres (150m³).
Maximum flow rate of 25,000 litres (25m³) per hour.

Technical Specifications

| MODEL | CUV-15V3 | CUV-25V3 | CUV-30V3 |
|-----------------------------------|-----------------------|-----------------------|-----------------------|
| For swimming pools up to (litres) | 15,000 | 25,000 | 30,000 |
| Max flow rate (litres/hour) | 7,500 | 10,000 | 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) | 525 x 167 x 88 | 525 x 167 x 88 | 995 x 167 x 88 |

| MODEL | CUV-55V3 | CUV-75V3 | CUV-110N | CUV-220N |
|-----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| For swimming pools up to (litres) | 55,000 | 75,000 | 110,000 | 150,000 |
| Max flow rate (litres/hour) | 20,000 | 25,000 | 25,000 | 25,000 |
| Bulb type | T8 | T8 | T8 | T8 |
| Bulb life (hours) | 9,000 | 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 | 2 x 2" plain socket |
| Inlet / outlet EU models | 2 x 50mm plain socket | 2 x 50mm plain socket | 2 x 63mm plain socket | 2 x 63mm plain socket |
| Electrical rating | 110-240V 50-60Hz | 110-240V 50-60Hz | 110-240V 50-60Hz | 110-240V 50-60Hz |
| Dimensions L x H x D (mm) | 995 x 187 x 88 | 1297 x 167 x 88 | 1040 x 285 x 170 | 1091 x 756 x 170 |



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www.certikin.co.uk



Contact your Certikin stockist for prices and availability.

This literature is intended as a guide.
The company reserves the right to change the specifications without notice.