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## ROCK AROUND THE BLOCK

### Hozelock Cyprio Vorton UVC Ultra Violet Clarifiers

#### Why buy a Hozelock Cyprio Vorton UVC?

1. The controlled vortex or swirling action of the water passing the quartz sleeved PL-S TUV bulb gives effective dwell time for maximum efficiency. It is possible to use these units as sterilizers by reducing the flow to about 1/4 or 25% of the clarifier specs. This increases the dwell time and so kills bacteria.
2. Your purchase is totally supported with continuous spare parts & service back-up for years of use. Try getting that from others in Australia!

Ultra Violet Clarifiers (UVC) guarantee clear water, and are the key element to Hozelock Cyprio's unique ClearWater Guarantee. Green water is caused by large quantities of microscope algae growing, spoiling the pleasure of a pond by make it impossible to see plants and fish.

**It is important not to confuse green water with long strands of blanket weed that are also very common.** This is treated with [Pond Balance](#)

UVCs work by passing pond water past a UV Lamp that makes the algae clump together & sink to the bottom of the pond. You see an improvement in days but complete clarity can take 3 to 4 weeks to achieve.

Hozelock Cyprio has advanced the science of eliminating green pond water with its range of vortexing or swirling action Vorton Ultra Violet Clarifiers which are up to 50% more efficient than other UVC products. The six Vorton UVCs - designed to treat ponds of any size up to 27000 litres capacity - are also considerably easier to install and maintain than conventional models.

The performance boost from a built-in "turbulator" forces the water to flow through the chamber in a corkscrew motion so that it is **evenly and thoroughly** exposed to the UV light which causes the algae particles to clump together, or flocculate, so that they can settle to the bottom.

Another performance enhancement comes from the use of a single ended UV lamp design, which emits 30% more UV light than a conventional double-ended lamp. Moreover, the single ended Vorton UV lamp remains at peak operating efficiency for 60% longer than double ended types and thus rarely needs to be changed more than once per season. The lamp also works constantly at its optimal temperature due to the design of its operating environment.

The quartz tube that Hozelock Cyprio has specified for the Vorton UVC further boosts the unit's operating efficiency by allowing a high proportion - 87% - of the UV rays to pass through it and act upon the algae in the water.

The combination of the turbulator and the single ended UV lamp with quartz tube gives pond owners unprecedented clear water results when the Vorton UVC is used in tandem with a biological filter. Hozelock Cyprio's Clearwater Guarantee means that we will give consumers their money back if they don't get clear water when using a correctly sized Vorton UVC and Hozelock Cyprio pond filter.

The Vorton UVC uses a multi-directional inlet and outlet, both of which can be rotated through up to 360° for easier routing of the hose to and from the unit. Stepped hoesetail connectors provide a quick, secure connection for the recommended hose in the 20-40mm diameter range - and the connectors are also translucent so that they glow to give a quick, clear indication of when the lamp is operating.

Easy access for cleaning and maintenance is an important requirement for most pond owners and Hozelock Cyprio have thoughtfully provided a bayonet fitting for the electrical housing so that assembly and disassembly are virtually instantaneous. The dome-ended quartz tube has only one open end and so minimises the task of cleaning and sealing.

Guaranteed for two years (excluding the lamp), the Vorton UVCs come with a detachable mounting bracket for secure fixing to a rigid surface. When maintenance is necessary, the UVC simply slides out from its mounting bracket.

**We recommend that for maximum performance, Vorton UVCs should be used with a Hozelock Cyprio Titan Filter pump and Bioforcefilter. The unit should be run 24 hours a day throughout the year.**

For complete information on Hozelock Cyprio Vorton UVCs, you can [download Hozelock Cyprio's brochure](#).

[Return to our Vorton UVC Ultra Violet Clarifiers Category](#)