

YooVee®

ULTRAVIOLET WATER STERILISATION

Sanitise Instantly with No Chemicals

- High Flow Rate 180 L/min
- Kills 99.9% Water Borne Germs (NATA Certified)
- Easy to Install & Service
- Quality Made in Australia
- **Drinking Water Tanks**
- **Commercial Pools, Spas & Heated Hydrotherapy Pools***
- **Aquaculture & Hydroponics**
- **Industrial Water Treatment**



*A minimum residual of chlorine or bromine must be maintained as required by the APVMA.

YooVee® Ultraviolet
CRS 1E
180 L/min
Pictures

Algaefree
AUSTRALIA
WATER TREATMENT SPECIALISTS
**Ultraviolet
Water
Treatment**



UV & Chlorinator



Twin Manifold Chloramine Removal
100,000 litres



Choose from UV/UV+Ozone
High Output 85W Lamps



UV as Primary Sanitation with
Manual Chlorine Dosing

YooVee[®] Ultraviolet

CRS 1E

180 L/min

Product Description

Algaefree AUSTRALIA
WATER TREATMENT SPECIALISTS

Ultraviolet Water Treatment

YooVee[®] Ultraviolet

CRS 1E

180 L/min

Technical Data Sheet

Algaefree AUSTRALIA
WATER TREATMENT SPECIALISTS

Ultraviolet Water Treatment



YooVee Ultraviolet CRS1E - 180 L/min

YooVee Ultraviolet CRS1E is a commercial ultraviolet (UV) water disinfection, Chloramine destruction, mixing and aeration system. It is easy to install, operate and maintain. UV water treatment is a natural and efficient way to eliminate all harmful water borne Pathogenic (disease causing) Microorganisms including all bacteria, viruses & protozoa.

YooVee is a **Chemical Reduction System (CRS)** that will reduce health risks associated with residues or chemical by-products from other chemical water treatment methods such as Chloramines. Aeration assists with water oxygenation and pH control.

Applications

- Commercial & Hydrotherapy Pools & Spas.
- All Home Swimming Pools & Spas.
- Natural Pools.
- Aquaculture & Hydroponics.
- Algae & Bacteria Control.
- Drinking Water Tanks.
- Industrial Water Sanitation.
- Vehicle Wash Down Water Treatment

Key Features

- Powerful 254nm UV light **destroys 99.9% of all water borne pathogens (germs) at a flow rate of 180L/min at 100-200kPa**. Manifold for larger flows. (NATA Certified). Destroys Chloramines.
- The electrical control box and chamber assembly are **weatherproof** for outdoor installations. Must be protected by 30mA RCD.
- Tough and resistant polycarbonate chamber allows for **safe visual monitoring of the UV lamp**, aeration and water quality.
- Installation is easy** and completed by mounting the YooVee chamber and control box with brackets supplied. Plumb the water inlet & outlet before plugging in the power supply to finish.
- Unique chamber design increases turbulence** forcing water to pass close to the UV light 15 times enhancing UV irradiation. The unique Hydrodynamic flow **reduces particulate matter from shading or blinding** the pathogenic microorganisms from the UV light. Making it suitable for non filtered and high turbidity water treatment applications.
- The optional venturi allows for **inline aeration**. This combined with the chamber's unique hydrodynamic **mixing action** allows for ozone and other chemicals to be injected and fully dispersed into the treated water.

Benefits

- Sanitises Instantly without Chemicals.
- Removes Chloramines.
- Aides with pH Control.
- Kills Algae (Microfloculant).
- Simple to Install, Operate & Service.
- Weather Proof for Outdoor Installations.
- Cost Effective.
- Made Locally in Australia.

MATERIALS

Component	Material
YooVee UV CRS 1E	UV Resistant
Mixing Chamber	Polycarbonate
Fasteners	316 Grade Stainless
O Ring & Seals	Vitol and Silicone
Quartz Sleeve	25.4mm (1") High Purity Quartz
Inlet / Outlet	40mm female BSP
Venturi & Locking Nut	Acetyl / PVC
Venturi (Optional)	40mm Inline
Air Cock (Optional)	13mm Female BSP

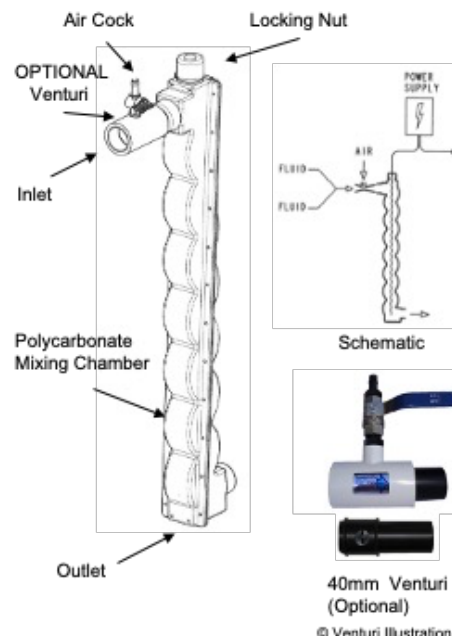
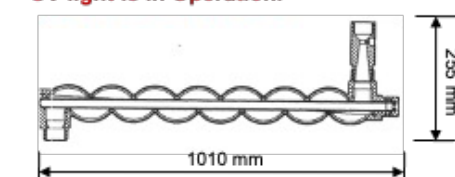
OPERATING PARAMETERS

Operation	Parameter
Flow Rate 99.9% Kill Pathogens	3 l/sec (180 L/min) NATA Certified
Flow Rate Minimum	0.5 l/sec (30 L/min)
Flow Rate Maximum	To 7 l/sec (420 L/min)
Operating Pressure	150 kPa (21.8psi)
Pressure Maximum	< 200 kPa (29psi)
UV Lamp Life Intermittent Operation	1 – 2 Years (Replace 18 months)
UV Lamp Life Continuous Operation	1 year (Replace 10 months)
Operating Water Temp	Min 5 °C - Max 35 °C
Orientation	Vertical or Horizontal

ELECTRICAL

Component	Specification
Power Connection	240V – MANDATORY AS/NZS 3000:2007 RCD 30mA Protection
Power Cord	1.5 meters
Power Consumption	65 - 80W / 100-240V
Protection Rating	Outdoor Use IP24 Chamber Assembly
Ultraviolet Lamp	254nm / 85W
Product Class	Industrial

Note: Water Must Flow When UV light is in Operation.



40mm Venturi (Optional)
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