

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**



 **Algaefree**
AUSTRALIA

*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**



Twin Manifold Chloramine Removal 100,000 litres



**Combination UV & Ozone
(Advanced Oxidation)**



**Potable or Industrial Tank
Recirculation**



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 Pools & Spas.
- Heated Hydrotherapy Pools.
- Aquaculture, Hydroponics & Lakes.
- Wash Down Water Treatment.
- Drinking Water Tanks.
- Industrial Water Sanitation.
- Chemical Injection & Mixing.
- Algae Control.
- Iron Removal.

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 Mixing Chamber	UV Resistant 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

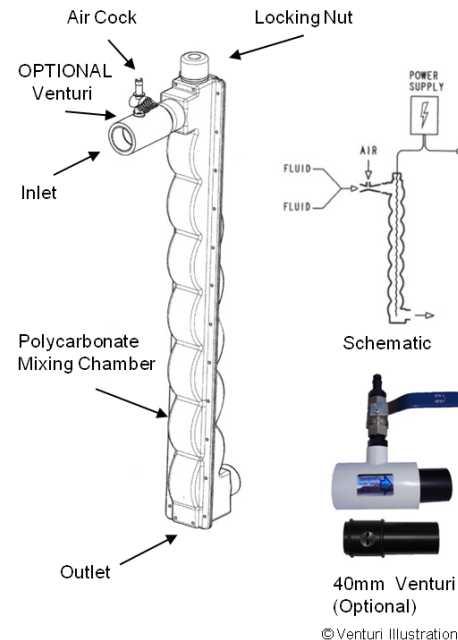
OPERATING PERAMETERS

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	2 meters
Power Consumption	65 - 80W / 240V
Protection Rating	IP65 Control Box IP24 Chamber Assembly
Ultraviolet Lamp	254nm / 80W
Product Class	Industrial

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



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