



WaterflowControl







WFC-2000

UV Disinfection System



Contact Us:

-  (02) 9948 0699
-  info@waterflowcontrol.com.au
-  www.waterflowcontrol.com.au
-  D1/20 Picrite Close, Pemulwuy, NSW

WFC-2000

The WFC-2000 ultra-violet water disinfection unit for disinfecting drinking or process water. This model can also be sized to disinfect treated waste water, and other liquids with low UV transmission.

Reactor: Stainless steel reactor, horizontal mounting with outlet pointing up.

Material	Stainless steel g316L, electropolished
In-outlet connection	2" male BSPT
Reactor volume (litres)	8.7 l
Reactor length overall approx. (A)	1,315 mm
Space required for servicing (B)	1,300 mm
Reactor Weight dry (kg)	11.3 kg
Max. operating pressure (bar)	10 bar
Lamp power W	240 watts
UV-C output W	76 watts
Number of lamps (per unit)	1
Lamp life	12,000 hours
Peak Flow (UVT95%, Dose 25 mJ/cm²)	> 417 lpm (25 m ³ /h) *
Peak Flow (UVT95%, Dose 40 mJ/cm²)	375 lpm (22.5 m ³ /h)
Peak flow (at Dose 40 mJ/cm², UVT 95%)	281 lpm (16.8 m ³ /h)

* Hydraulic capacity. Theoretical peak flow 703 lpm (42 m³/h)

This information assumes the following conditions:

Water Source: Roof collected rainwater (filtered)

UV Transmissivity (assumed): 90% (this is a reasonable assumption as there should not be much dissolved organics contamination)

Application: Toilet flush and irrigation

UV Dose: 25mJ/cm². (this dose will provide greater than 99.999% kill rate for E coli / Faecal coliform)

UV Unit	lps	lpm	lph	m ³ /h
WFC2000	6.638	398.28	23,897	23.90

Features:

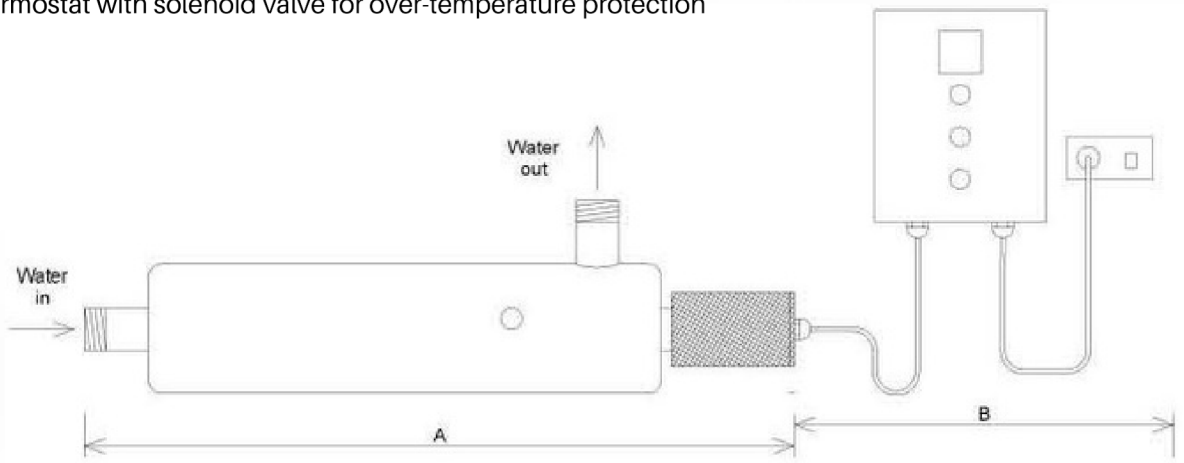
- Lamp parallel to water flow
- View/monitor port
- Easy to install mounting brackets

Power Supply Box: Fan cooled, ABS with standard 10A GPO plug

Input	220-240 VAC, 50-60 Hz, 1.6A
Power consumption W	270 watts
Max. ambient temperature (°C.)	40°C
Power box dimensions (mm)	380 x 280 x 130 mm
Power box weight (kg)	6 kg
Power box protection class	IP54
Lamp lead length (m)	2 m

Features:

- UV intensity monitor
- Higher IP rating
- Enclosure material 316ss, or glass reinforced polyester
- Longer lamp lead
- Different mains supply
- Chamber thermostat with solenoid valve for over-temperature protection



For Advanced UV Disinfection 1405

