







**WaterflowControl**

# WFC-800

## UV Disinfection System



### Contact Us:

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

# WFC-800

The WFC-800 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)	6.5 l
Reactor length overall approx. (A)	1,006 mm
Space required for servicing (B)	1,000 mm
Reactor Weight dry (kg)	5.4 kg
Max. operating pressure (bar)	10 bar
Lamp power W	80 watts
UV-C output W	28 watts
Number of lamps (per unit)	1
Lamp life	9000 hours
Peak Flow (UVT95%, Dose 25 mJ/cm <sup>2</sup> )	9.0 m <sup>3</sup> /h
Peak Flow (UVT95%, Dose 40 mJ/cm <sup>2</sup> )	5.6 m <sup>3</sup> /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/cm<sup>2</sup>. (this dose will provide greater than 99.999% kill rate for E coli / Faecal coliform)

UV Unit	lps	lpm	lph	m <sup>3</sup> /h
WFC800	2.212	132.72	7,963	7.96

## Features:

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

**Power Supply Box:** Different versions available all with standard 10A GPO plug and 2m lamp lead.

## Version: PSL1B-080-DDCV

Includes visible and audible lamp fail alarm, lamp operation countdown timer 365 - 0 days, lamp change alert, dry contacts for remote fault indication, for indoor operation only.

**Dimensions:** 205 x 75 x 53 mm, Weight: 0.7 kg

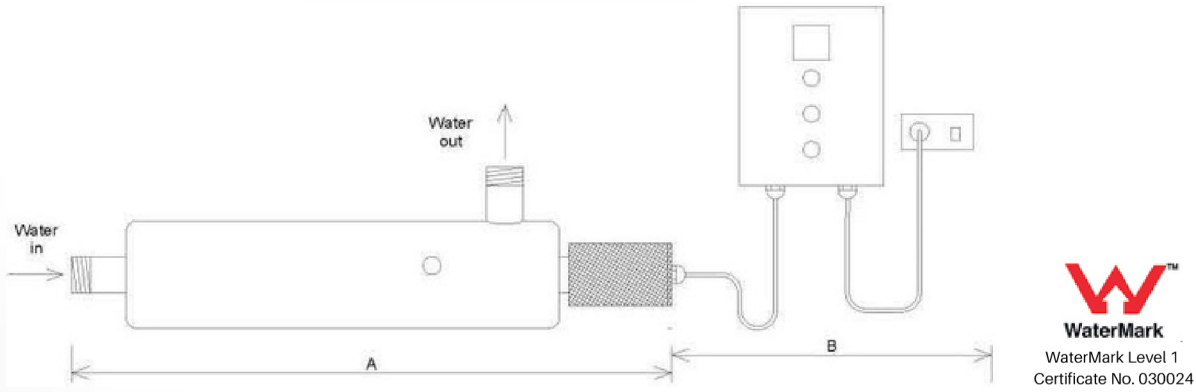
**Version: PSL1B-080-A**

Includes power on indicator, visible and audible lamp fail alarm, hours run meter, IP65.

**Dimensions:** 250 x 150 x 130 mm, Weight: 3.5 kg

**Options:** (additional cost)

- UV intensity monitor
- Stainless steel enclosure or glass reinforced polyester enclosure
- Spare set of volt free contacts
- Longer lamp lead
- Different mains supply
- Chamber thermostat with solenoid valve for over-temperature protection



For Advanced UV Disinfection 1405

