

Waterflow Control

WFC-US-1600

UV Disinfection System

Contact Us:

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www.waterflowcontrol.com.au

37 / 317-321 Woodpark Rd, Smithfield NSW 2164

WFC-US-1600

The **WFC-1600** 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 connnection	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	172 watts
UV-C output W	55 watts
Number of lamps (per unit)	1
Lamp life	12,000 hours

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	m3/h
WFC1600	4.757	285.42	17,125	17.13

Features:

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

Options: (additional cost)

- Sampling ports

Power Supply Box: Fan cooled, painted mild steel with standard 10A GPO plug

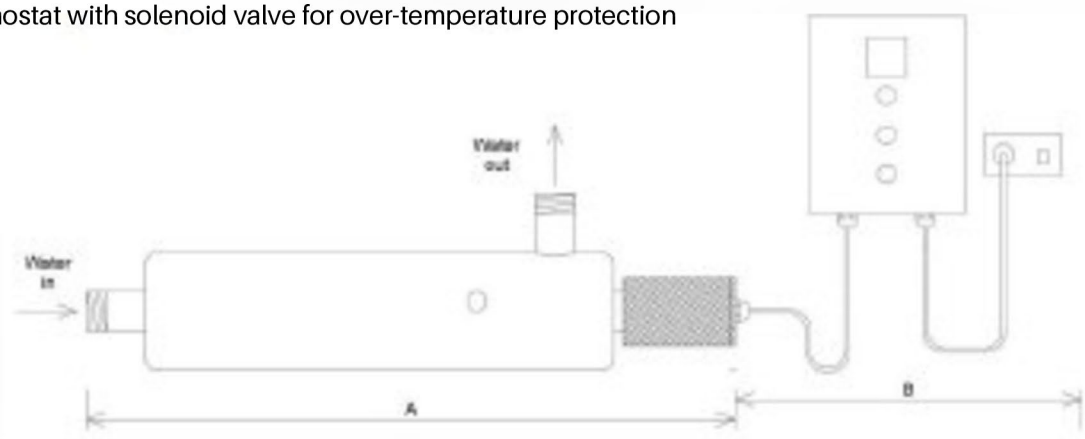
Input	220-240 VAC, 50-60 Hz
Power consumption W	190 watts
Power box dimensions (mm)	400 x 400 x 200 mm
Power box weight (kg)	12 kg
Power box protection class	IP54
Lamp lead length (m)	2 m

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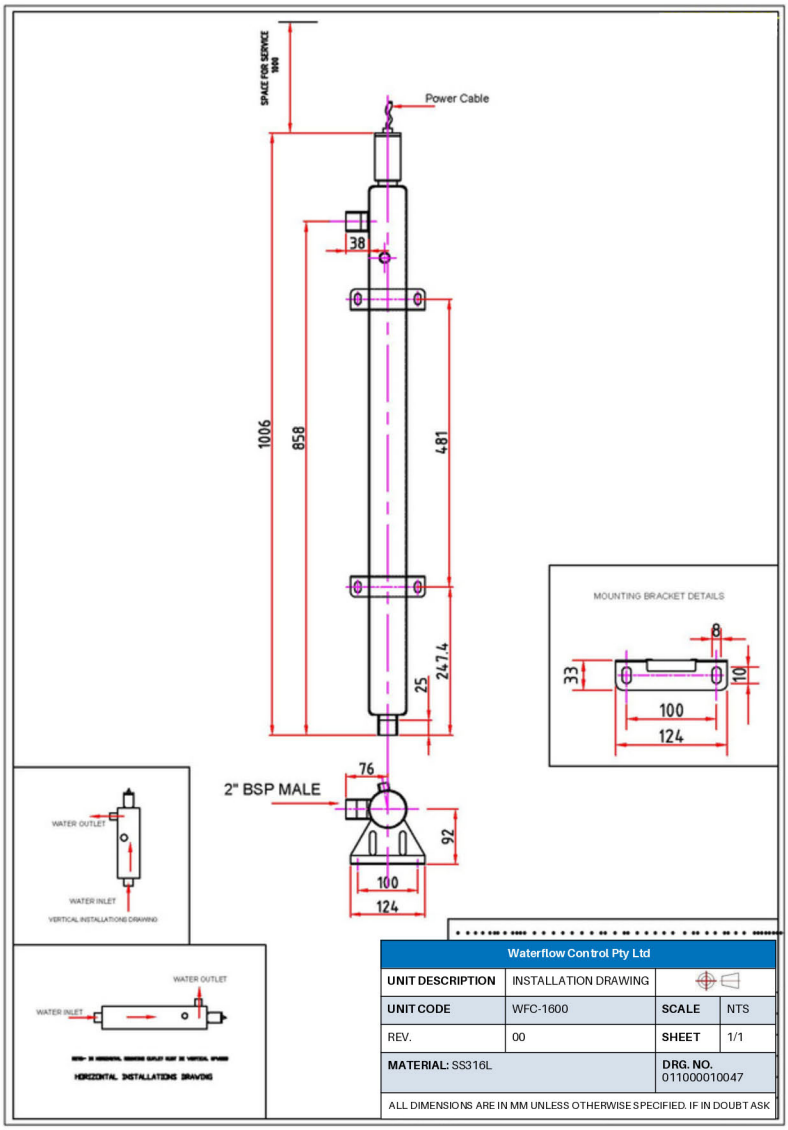
Options: (additional cost)

- UV intensity monitor
- Spare set of volt free contacts
- 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

WaterMark
WaterMark Level 1
Certificate No. 030024



For Advanced UV Disinfection 1405



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