

# UV Systems

*The ultraviolet germicidal system has become an exceptionally popular water disinfection alternative. Modern technology is incorporated to create the most natural purification.*

*Ultraviolet water sterilisers incorporate natural ultraviolet light, which allows the highest UV output and automatically eradicates all micro-organisms.*

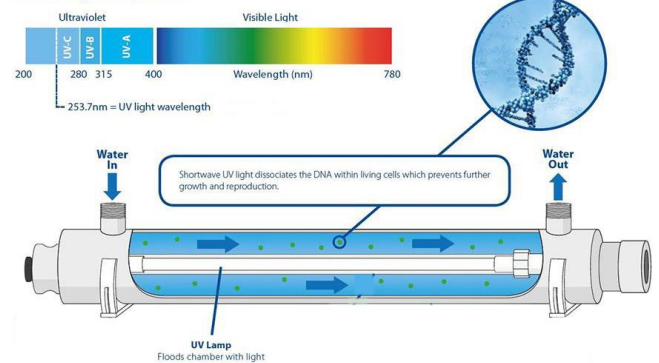
*Only UV light is used to treat the water. No dangerous chemicals, no dangerous overdosing, no bad taste, odour or corrosion, continuous disinfection, high output and low power consumption.*

*Easy to install and low maintenance. Pre-treatment must include at least a 5mic sediment filter installed prior to the unit to ensure that particles capable of shielding pathogens are removed from the water prior to entering the system.*

## FEATURES

- Visual indicator and alarm for lamp failure
- 3000 mic Watt/sec/cm<sup>2</sup> at energy of 253.7 nm wavelength
- Low power consumption
- Vertical or horizontal installation
- Unique diagonal inlet/outlet provides spiral current to prolong lighting duration and enhance sterilising effect
- Effectively protects quartz sleeve from damage or water
- Hammer
- Ports can be either inlet or outlet

Electromagnetic Spectrum



## SPECIFICATIONS

Lamp life:	9000 hours (approx. 1 year)
Max working pressure:	100 psi
	120V AC or 240V AC

## MATERIAL

Heavy duty 304 grade stainless steel pressure vessel  
Heavy duty UV lamps and quartz sleeves using highest grade "hard glass" pure fused quartz to all highest output Ceramic end caps on UV lamps

## WARNING:

Do not use water that is microbiologically unsafe or of unknown quality without adequate disinfection. Must be installed in conjunction with a UPS system

**AQUA PRO**

	<b>170</b>	<b>172</b>	<b>175</b>	<b>175/STD</b>	<b>177</b>	<b>178</b>	<b>179</b>
<i>Specifications</i>	<i>UV1GPM</i>	<i>UV6GPM-H</i>	<i>UV12GPM-V</i>	<i>UV12GPM-H</i>	<i>UV24GPM-HT</i>	<i>UV24GPM-V</i>	<i>UV48GPM-HT</i>
<i>Vessel (mm)</i>	<i>278 L x 60 Dia</i>	<i>560 L x 63 Dia</i>	<i>980 H x 80 W</i>	<i>900 L x 80 W</i>	<i>910 L x 120 Dia</i>	<i>970 H x 80 W</i>	<i>910 L x 360 Dia</i>
<i>Vessel Material</i>	<i>304 Stainless</i>	<i>304 Stainless</i>	<i>304 Stainless</i>	<i>304 Stainless</i>	<i>304 Stainless</i>	<i>304 Stainless</i>	<i>304 Stainless</i>
<i>Lamp (mm)</i>	<i>287</i>	<i>436</i>	<i>843</i>	<i>843</i>	<i>843 (2 lamps)</i>	<i>843 (2 lamps)</i>	<i>843 (4 lamps)</i>
<i>Quartz Sleeve ID x OD x L (mm)</i>	<i>20 x 22.5 x 330</i>	<i>20 x 22.5 x 540</i>	<i>20 x 22.5 x 895</i>	<i>20 x 22.5 x 895</i>	<i>20 x 22.5 x 895</i>	<i>20 x 22.5 x 895</i>	<i>20 x 22.5 x 895</i>
<i>Product Dimensions (mm)</i>	<i>278 L x 80 H x 80 D</i>	<i>560 L x 80 H x 80 D</i>	<i>980 H x 80 W x 140 D</i>	<i>900 L x 170 H x 89 D</i>	<i>910 L x 240 H x 160 D</i>	<i>970 H x 200 W x 160 D</i>	<i>910 L x 230 H x 280 D</i>
<i>In/Out Ports</i>	<i>1/4"</i>	<i>1/2"</i>	<i>3/4"</i>	<i>3/4"</i>	<i>1"</i>	<i>1"</i>	<i>1 1/2"</i>
<i>Electrical Volts</i>	<i>110/220V 50-60/HZ</i>	<i>110/220V 50-60/HZ</i>	<i>110/220V 50-60/HZ</i>	<i>110/220V 50-60/HZ</i>	<i>110/220V 50-60/HZ</i>	<i>110/220V 50-60/HZ</i>	<i>110/220V 50-60/HZ</i>
<i>Lamp Watts Intensity @ 1m</i>	<i>14 W 40 µW/cm<sup>2</sup></i>	<i>24 W 72 µW/cm<sup>2</sup></i>	<i>39 W 130 µW/cm<sup>2</sup></i>	<i>39 W 130 µW/cm<sup>2</sup></i>	<i>39 W (2 lamps) 130 µW/cm<sup>2</sup></i>	<i>39 W (2 lamps) 130 µW/cm<sup>2</sup></i>	<i>39 W (4 lamps) 130 µW/cm<sup>2</sup></i>
<i>Current mA</i>	<i>425 mA</i>	<i>425 mA</i>	<i>425 mA</i>	<i>425 mA</i>	<i>425 mA</i>	<i>425 mA</i>	<i>425 mA</i>
<i>Flow Rate (lpm)</i>	<i>3.8</i>	<i>22.8</i>	<i>45.6</i>	<i>45.6</i>	<i>91.2</i>	<i>91.2</i>	<i>181.7</i>
<i>Flow Rate (gpm)</i>	<i>1</i>	<i>6</i>	<i>12</i>	<i>12</i>	<i>24</i>	<i>24</i>	<i>48</i>
<i>Lamp Failure Device</i>	<i>YES</i>	<i>YES</i>	<i>YES</i>	<i>YES</i>	<i>YES</i>	<i>YES</i>	<i>YES</i>
<i>Accumulated Timer</i>	<i>NO</i>	<i>NO</i>	<i>YES</i>	<i>NO</i>	<i>YES</i>	<i>NO</i>	<i>YES</i>