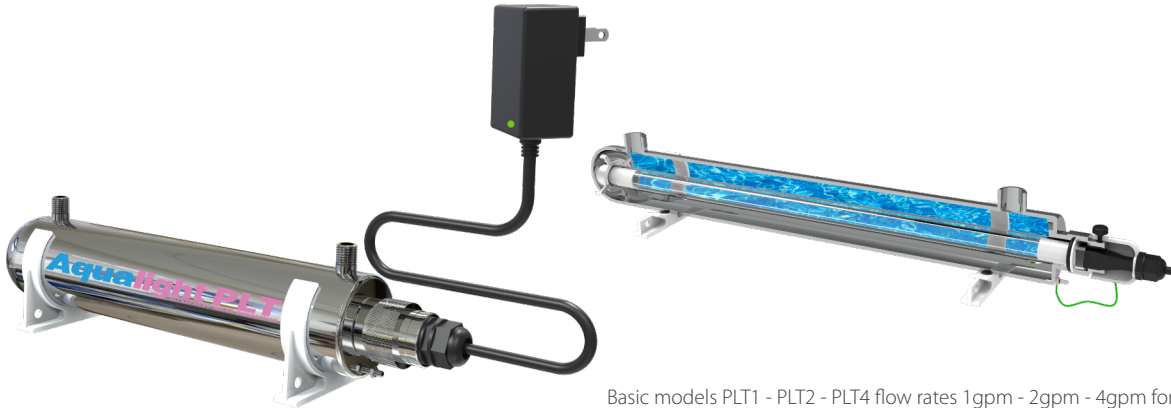


# Aqualight<sup>®</sup> PLT

ULTRAVIOLET WATER DISINFECTION

The ultraviolet (UV-C rays, 253.7nm) water disinfection treatment is an extremely rapid physical process, reliable, economical and chemical-free, highly effective method to remove the threat of microbiological contaminants from water.



Basic models PLT1 - PLT2 - PLT4 flow rates 1gpm - 2gpm - 4gpm for residential POU. Operation status visible and audible.



Basic models PLT6 - PLT8 - PLT12 flow rates 6gpm - 8gpm - 12gpm for residential POU/POE, small business, light commercial. Operation status visible and audible.

## Specifications

Model	PLT1	PLT2	PLT4	PLT6	PLT8	PLT12
Flow Rates @ 30mJ/cm <sup>2</sup>	1gpm, 3.8lpm, 0.25m <sup>3</sup> /hr	2gpm, 7.5lpm, 0.5m <sup>3</sup> /hr	4gpm, 15.1lpm, 1.0m <sup>3</sup> /hr	6gpm, 22.7lpm, 1.4m <sup>3</sup> /hr	8gpm, 30.2lpm, 1.8m <sup>3</sup> /hr	12gpm, 45.4lpm, 3.0m <sup>3</sup> /hr
Flow Rates @ 40mJ/cm <sup>2</sup>	0.8gpm, 3.0lpm, 0.18m <sup>3</sup> /hr	1.5gpm, 5.7lpm, 0.34m <sup>3</sup> /hr	3gpm, 11.4lpm, 0.7m <sup>3</sup> /hr	4.5gpm, 17lpm, 1.0m <sup>3</sup> /hr	6gpm, 22.7lpm, 1.4m <sup>3</sup> /hr	9gpm, 34.1lpm, 2.0m <sup>3</sup> /hr
Inlet / Outlet	¼"	¼" or ½"	½"	¾"	¾"	1"
Dimensions	27*5.1cm (10.6*2 in.)	36*6.5cm (14.2*2.5 in.)	41*6.5cm (16.2*2.5 in.)	56*6.5cm (22*2.5 in.)	70*6.5cm (28*2.5 in.)	92*6.5cm (36*2.5 in.)
Ultraviolet Lamp	GPH212T5L/4-LT 10 Watts	GPH287T5L/4-LT 14 Watts	GPH330T5L/4-LT 19 Watts	GPH505T5L/4-LT 28 Watts	GPH645T5L/4-LT 32 Watts	G36T5L/4-LT 39 Watts
Quartz Sleeve	QS245	QS331	QS375	QS535	QS665	QS890
Basic Controller	Part# BAP2011, 110V/50-60Hz. or BAP2022, 220V/50-60Hz., 6.5*4.5*2.8cm (2.6*1.8*1.1 in.)			Part# BAP4011, 110V/50-60Hz. or BAP4022, 220V/50-60Hz., 11.6*6*2.6cm (4.6*2.4*1.03 in.)		
Features	Lamp Operating Indicator, Audible Lamp Failure			Lamp Operating Indicator, Audible Lamp Failure, Optional GDCT-365 Lamp Life Countdown Timer		

► Flow Rates Stated at 95% UV Transmittance of End of Lamp Life, 20°C

## Exploded View



## General

- SS304 Construction Material (SS316 as Request)
- 4-Log (99.99%) Reduction in Bacteria, Viruses and Protozoan Cysts
- Vertical Installation (recommend) or Horizontal

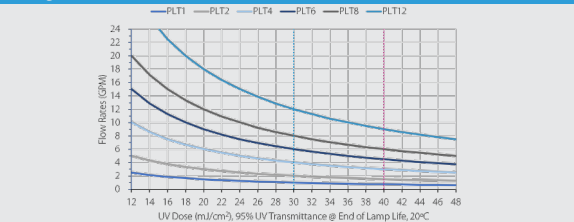
## Parameters

- Max. Operating Pressure 125psi (8.62 bars)
- Ambient Water Temperature 2-40°C (36-104°F)
- Iron < 0.3 ppm (0.3mg/L)
- Hardness < 7 gpg (120 mg/L)
- Manganese < 0.05 ppm (0.05 mg/L)
- Turbidity < 1NTU
- Tannins < 0.1 ppm (0.3 mg/L)
- UV Transmittance >75%

## Warranty

- Ultraviolet Water Disinfection Systems Carry a Three Year Warranty on the Stainless Steel Reaction Chamber
- A TWO Year on Power Supply Controller
- A ONE Year Warranty on Ultraviolet Lamp, Quartz Sleeve and Other Components

## Dosage



## Installation Layout

