

# TROJAN **UV**MAX™ G, H & J



## Go With More Flow.

Flow rates reach up to 45gpm. Even with the high flow capabilities, their footprint is half the size of their predecessors, making installation quicker and easier.

## Benefit from Pro Series Product Advances.

Being built from our state-of-the-art Pro Series platform allows the TrojanUVMax G, H & J to share in many of the same product advances such as its incredibly intuitive interface, plug-and-play connections and a sensor confirmation button.

## Install in a Wide Range of Water Temperatures.

A revolutionary lamp design provides a constant UV dose in a range of water temperatures, from hot recirculation lines to ice-cold water, giving you the flexibility to install in a variety of site conditions.

## WHO IS TROJAN?

We are the world leader in UV technology, serving large cities, major water bottlers, and tens of thousands of private homeowners. For more than 30 years we have led with technology advances that allow us to provide you with complete water confidence.

## WHAT IS UV?

Ultraviolet (UV) light is at the invisible, violet end of the light spectrum. The water treatment industry uses a high-powered form of UV light called UV-C or "germicidal UV" to disinfect water.

## HOW DOES UV LIGHT WORK?

UV-C rays penetrate microorganisms and destroy their ability to reproduce, effectively rendering them harmless. It's a simple but effective process, destroying a minimum of 99.99% of harmful microorganisms, including *E. coli*, *Cryptosporidium*, and *Giardia*.

Not only is it safe and highly effective, UV does not change the taste, color, or odor of water. It simply removes the risk of illness caused by microbial contamination, making water safe.

## WHY NOT USE CHLORINE?

Chlorine changes the taste and odor of water. Chlorination may also produce harmful by-products that are linked to the incidence of cancer.

## WHO USES UV DISINFECTION SYSTEMS?

For more than 30 years, institutions, consumers and businesses have relied on Trojan's environmentally friendly UV technology to disinfect their water supplies. Top candidates for UV disinfection systems include:

- Rural homes and cottages
- Nursing homes
- Hospitals
- Schools
- Hotels
- Restaurants
- Resorts and holiday camps
- Community water systems



## INTUITIVE INTERFACE

Because a picture is worth a thousand words.

## SIMPLE CONNECTIONS

With plug-and-play color coded connections, it's as easy as "connect the dots."



## Revolutionary Lamp

### TWICE THE POWER

The TrojanUVMax G, H & J use a revolutionary lamp with twice the output of current high-output lamps, giving you compact single-lamp systems that are half the size of their predecessors. Size does matter.

### TWICE THE LIFE EXPECTANCY

Our revolutionary new lamps last an unprecedented two years, reducing maintenance requirements.

## APPLICATIONS:

HOSPITALS • SCHOOLS • HOTELS • HOMES & COTTAGES •

### COOLER WATER

The CoolTouch significantly reduces water temperature and does not waste any water.

### COMBO PORTS

Flexibility to connect to either 1 1/4" NPT or 1" FNPT.

### SOLENOID SAFETY

The plug-and-play solenoid stops water flow in the event that water treatment is compromised.



Optional

### EASY QUARTER-TWIST ASSEMBLY

A quarter-twist to the positive stop and you're done. No tools, no risk of overtightening.



### INTEGRATED GROUND

Like a standard plug - no more grounding wires!



Optional

### TEST OF SENSOR OPERATION

With the push of a button you can confirm the proper operation of the sensor.



## General

Colour-coded plug and play connections	Yes
CoolTouch fan	Yes
Sensor with diagnostic test	Optional
Solenoid valve	Optional
Chamber material	316L SST
Rated service life of lamp	2 years
Inlet and outlet	Combo 1 1/4" NPT, 1" FNPT

## Controls

Audible alarm mute button	Yes
New lamp button	Yes
Lamp age indicator	Yes
Lamp operation indicator	Yes
Power supply operation indicator	Yes
Solenoid operation indicator	Yes
Fan operation indicator	Yes
Sensor reading indicator	Yes

## Operating Parameters

Maximum operating pressure	100 PSI (689 kPa)
Minimum operating pressure	10 PSI (69 kPa)
Maximum ambient air temperature	104°F (40°C)
Minimum ambient air temperature	32°F (0°C)
Maximum humidity	100%
Maximum hardness	120 ppm (7 grains per gallon)
Maximum iron	0.3 ppm
Minimum UVT	75%
Installation	Vertical

## Certification



## G, G Plus H, H Plus J, J Plus

Rated flow at dose of 30 mJ/cm <sup>2</sup>	up to 19 GPM (72 LPM)	20-39 GPM (76-148 LPM)	40-45* GPM (151-170 LPM)
Rated flow at dose of 40 mJ/cm <sup>2</sup>	up to 15 GPM (57 LPM)	16-29 GPM (61-110 LPM)	30-44 GPM (114-167 LPM)

## Electrical

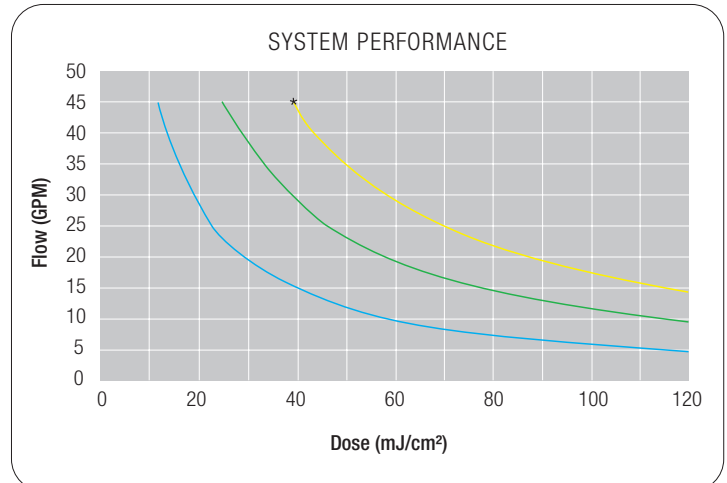
Voltage	120-240V AC	120-240V AC	120-240V AC
Frequency	50-60Hz	50-60Hz	50-60Hz
Max. current	1.2Amp	1.6 Amp	2.4 Amp
Max. power consumption	120 Watts	160 Watts	230 Watts
Lamp power consumption	100 Watts	140 Watts	200 Watts

## Dimensions

Chamber	22" x 4" 54 x 10cm	31" x 4" 78 x 10cm	41" x 4" 103 x 10cm
Power supply	13" x 6.5" 33 x 16.5cm	13" x 6.5" 33 x 16.5cm	13" x 6.5" 33 x 16.5cm

Flow rates shown are at 85% UVT and End of Lamp Life.

\* Inlet/outlet size restricts flow to 45gpm and the dose will be 39mJ/cm<sup>2</sup>



■ TrojanUVMax G ■ TrojanUVMax H ■ TrojanUVMax J

## Warranty

The TrojanUVMax™ G, G Plus, H, H Plus, J, J Plus come with a full five year warranty against manufacturer's defects on the power supply and all electrical components; a ten year guarantee on the UV chamber; and a one year warranty on lamps and sensors.



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