TROJAN UVMAX™

Smarter. Stronger.

Count on it.

LIGHT COMMERCIAL APPLICATIONS

Proven Performance.

Validated under the rigors of the **USEPA UVDGM** 2006 validation protocol, this product offers a compact piece of equipment for light commercial installations as well as regulated and non-regulated drinking water applications.

Pro Series Features, Now With More Capacity.

Being built from our state-of-the-art Pro Series platform, our new higher capacity system features all of the same benefits as our existing Pro Series with more capacity and higher flow.

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 VIQUA - a Trojan Technologies Company

VIQUA is a leading water treatment technology company focused on providing our customers – residential and light commercial – confidence in their water. Offering a complete solution package including UV disinfection, water filtration, softeners and ozone products.

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 VIQUA'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 systems 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.

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!

TEST OF SENSOR OPERATION

With the push of a button you can confirm the proper operation of the sensor. *(available on the Pro50 and K+ only)*

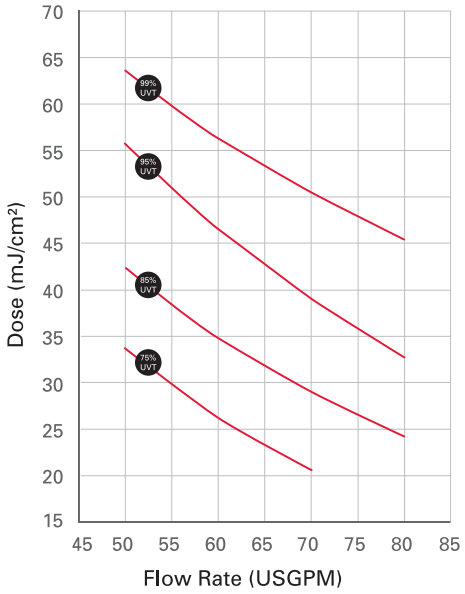
CAMP GROUNDS • NURSING HOMES • RESTAURANTS • COMMUNITY WATER SYSTEMS

General

Colour-coded plug and play connections	Yes
UV intensity monitor with diagnostic test	Yes *(Plus & Pro models only)*
CoolTouch fan	Yes
Communications ports (two, RJ45)	Yes
Chamber material	316L SST
Rated service life of lamp	2 years
Inlet and outlet	2" MNPT
Controls	
Audible alarm mute button	Yes
New lamp button	Yes
Lamp age indicator	Yes
Lamp operation indicator	Yes
Ballast 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	85%
Installation	Vertical
Third Party Validation *(pending)*	USEPA UVDGM 2006
Other certifications	c UL us LISTED CE

	K, K Plus**	Pro50*
Rated flow at dose of 30 mJ/cm²	45-80 GPM (170-303 LPM)	---
Rated flow at dose of 40 mJ/cm²	---	50 GPM (189 LPM)
Electrical		
Voltage	120-240V AC	120-240V AC
Frequency	50-60Hz	50-60Hz
Max. current	2.4 Amp	2.4 Amp
Max. power consumption	230 Watts	230 Watts
Lamp power consumption	200 Watts	200 Watts
Dimensions		
Chamber	41" x 4" 103 x 10 cm	41" x 4" 103 x 10 cm
Power Supply	13" x 6.5" 33 x 16.5 cm	13" x 6.5" 33 x 16.5 cm

*Flow rates shown are at 85% UVT and End of Lamp Life.
** Flow rates show are at 95% UVT and End of Lamp Life.



Warranty

The TrojanUVMax™ systems 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 water chamber; and a one year warranty on lamps and UV intensity monitors.

VIQUA™
A TROJAN TECHNOLOGIES COMPANY

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