

RESIDENTIAL AND COMMERCIAL APPLICATIONS



### 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.

### 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

# TROJAN **UV**MAX™

## Ultraviolet (UV) Light is the Right Choice for Water Purification

### Instills Water Confidence

Owners of a TrojanUVMax™ can drink with confidence knowing 99.99% of illness-causing microorganisms, including *E. coli*, *Cryptosporidium* and *Giardia* are destroyed, supplying safe water to every tap.

### Environmentally-friendly and Chemical Free

UV water purification is a natural process that adds no chemicals and does not affect the taste or odor of water. Other methods, such as those that use chlorine, may create harmful chemicals that have been linked with serious illnesses, such as cancer.

### Trouble-free Maintenance

Maintenance is simple and can be completed in minutes - without tools. It's as easy as replacing the UV lamp once a year and periodically cleaning the sleeve.

## TYPICAL INSTALLATION

### INSTALLATION AND OPERATION REQUIREMENTS

- UV transmittance must be greater than 75%. Through your dealer, Trojan offers a free water testing service for hardness, iron and UV transmittance.
- A 5 micron (nominal) sediment filter must be installed before the UV system.
- Lamps must be replaced after 1 year of operation.
- Sleeve and UV sensor window will require regular cleaning. See Owner's Manual for details.



### Safety Cap and Special Lamp Plug

Our safety cap prevents children from accessing the lamp or electrical components. The special lamp plug ensures that no one can power the UV lamp if it's not in the UV chamber.

### Test of Sensor Operation

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

### Unique Lamp/ Sleeve Assembly

Lamps and sleeves are assembled together for ease of handling. They can be replaced separately, in minutes and without tools.

### Reference Card

The reference card outlines the most important system functions and maintenance for your quick, on-the-spot questions.

### Helpful Lamp Replacement Reminder

The Lamp timer display starts at 365 and counts down the days to annual lamp replacement.

### Mute Button

If a warning alarm sounds, simply press this button to silence the alarm.

### Lamp Timer Reset Button

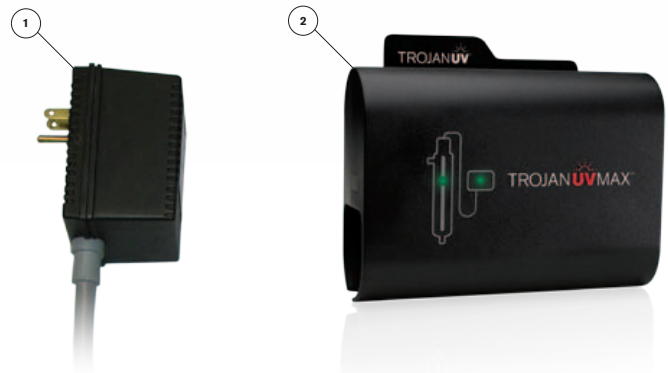
Once annual lamp replacement is completed, press this button to restart the Lamp timer.

### Confidence in Proper System Operation

Indicator lights show the status of system components. Warning lights appear when system maintenance is required.

1 Model A power supply

2 Model B4 and C4 power supply



MODEL	A	B4	C4	D4/D4 Plus	E4/E4 Plus	F4/F4 Plus
*Flow Rates	0-3 GPM (0-11 LPM)	3-6 GPM (11-23 LPM)	7-16 GPM (26-60 LPM)	7-16 GPM (26-60 LPM)	12-29 GPM (45-110 LPM)	20-45 GPM (76-170 LPM)
No-tools maintenance	✓	✓	✓	✓	✓	✓
Constant current electronic power supply	✓	✓	✓	✓	✓	✓
Safety cap & special lamp plug	Safety cap only	✓	✓	✓	✓	✓
Lamp operation indicator	✓	✓	✓	✓	✓	✓
Power supply operation indicator	✓	✓	✓	✓	✓	✓
Sensor operation indicator	--	--	--	D4 Plus	E4 Plus	F4 Plus
Sensor with diagnostic test	--	--	--	D4 Plus	E4 Plus	F4 Plus
Reference card	--	✓	✓	✓	✓	✓
Lamp timer display	--	--	--	✓	✓	✓
Lamp timer reset button	--	--	--	✓	✓	✓
Mute button	--	--	--	✓	✓	✓
Solenoid valve				Optional	Optional	Optional
External control relay				Optional	Optional	Optional
Chamber material	304 SST	304 SST	304 SST	304 SST	316 SST	316 SST
Inlet/Outlet	3/8" FNPT	3/4" NPT	3/4" NPT	3/4" NPT	1" NPT	1" NPT
<b>ELECTRICAL</b>						
Voltage	120 or 230V AC	100-240V AC	100-240V AC	100-240V AC	100-240V AC	100-240V AC
Frequency	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz
Max. current	0.4 Amp	0.4 Amp	0.5 Amp	0.5 Amp	0.85 Amp	1.2 Amp
Max. power consumption	22 Watts	36 Watts	50 Watts	50 Watts	83 Watts	130 Watts
Lamp power	14 Watts	25 Watts	40 Watts	40 Watts	70 Watts	110 Watts
<b>DIMENSIONS</b>						
Chamber	15.5" x 2.5" 39 x 6.5cm	14.5" x 4" 37 x 10 cm	20.5" x 4" 52 x 10 cm	20.5" x 4" 52 x 10 cm	30" x 4" 76 x 10 cm	44.25" x 4" 112.5 x 10 cm
Power supply	2.8" x 3.3" 7 x 8cm	8.5" x 6" 22 x 15cm	8.5" x 6" 22 x 15cm	8.5" x 6" 22 x 15cm	8.5" x 6" 22 x 15cm	8.5" x 6" 22 x 15cm

\* Flow rates are shown at 85% UVT.

## WARRANTY

The TrojanUVMax™ comes with a full, non-prorated three 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. See full warranty at [www.viqua.com](http://www.viqua.com) for a complete set of terms.

# VIQUA™

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## General (All Models)

### Operating Parameters

Maximum operating pressure	125 PSI (862 kPa)
Maximum ambient air temperature	122 °F (50°C)
Minimum ambient air temperature	32°F (0°C)
Maximum hardness	120 ppm (7 grains per gallon)
Maximum iron	0.3 ppm
Minimum UVT	75%
Installation	Vertical or horizontal *

\* Systems with sensors must be installed vertically.

