



TROJAN **UV** MAX

Healthy, clean and safe.

Advanced UV water disinfection systems for home, institutional and commercial use.



Trojan Technologies



Trojan's advanced UV water disinfection systems are designed to meet the needs of home, institutional and commercial use.

Gain peace of mind that your water is safe.

Install a TrojanUVMax™ disinfection system and you no longer have to be concerned about waterborne pathogenic organisms causing illness or contaminating production processes. Trojan UV systems kill bacteria, viruses, and other pathogens by preventing them from reproducing. The result? Safe drinking water.

Healthier water through UV science

Disinfecting your drinking water with ultraviolet light (UV) makes good sense. It's exceptionally effective, it's environmentally safe, it's well proven, and it's the way of the future for water disinfection requirements around the globe.

Trojan Technologies has applied its extensive scientific and engineering expertise to develop a new line of high-performance residential and commercial UV water disinfection systems. Named TrojanUVMax™, this innovative product line uses leading-edge UV technology to kill viruses, bacteria, and other pathogens in your water faster and more effectively than any other system today.

The Trojan technology edge

Our scientists and engineers have employed advanced computer modelling programs to design an ultra-efficient water chamber for the TrojanUVMax™ system. This highly evolved chamber optimizes hydraulic performance and enables TrojanUVMax™ to disinfect water even more potently than conventional UV systems do – all while delivering exceptional energy efficiency.

Moreover, Trojan is the first company to build high-output UV lamp technology into residential and commercial UV water treatment systems. Smaller and more powerful than their predecessors, these lamps have allowed Trojan to design TrojanUVMax™ to fit in compact areas, saving you installation space.

Fortunately, you do not have to gamble with anyone's health. By installing a TrojanUVMax™ system – an independently validated disinfection solution – you will effectively destroy microbial contamination... along with any health risks.

Spare the environment – and your health – from harmful chemicals

UV disinfection is a natural process that adds no chemicals to your water. Other disinfection methods, such as those that use chlorine, may create harmful chemicals that have been linked with serious illnesses. Why take the risk?

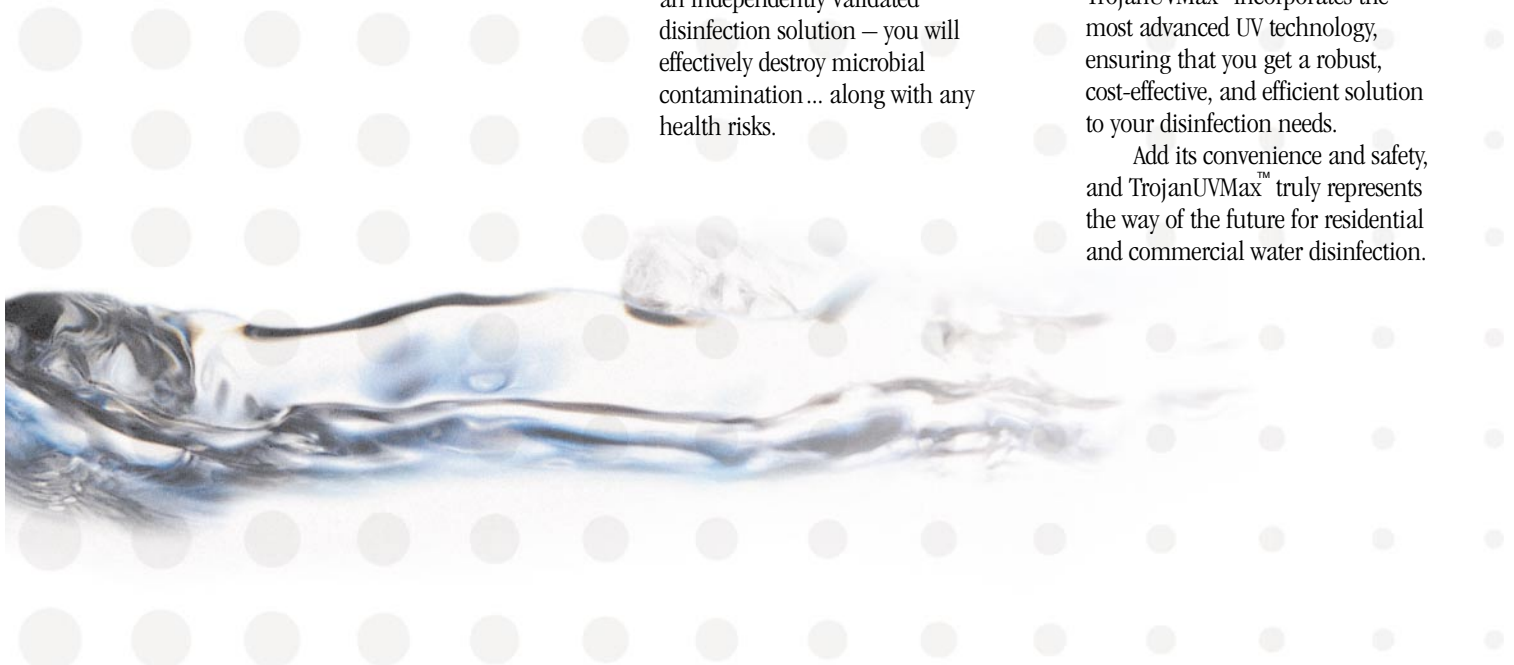
Maintain your system with minimal effort

Looking after your TrojanUVMax™ system is easy. All you have to do is periodically clean the lamp sleeve and replace your lamp once a year – simple processes you can complete in minutes. For ease of handling, the lamp and protective quartz sleeve are designed as one component, but can be replaced separately.

Get the best value from your disinfection investment

TrojanUVMax™ incorporates the most advanced UV technology, ensuring that you get a robust, cost-effective, and efficient solution to your disinfection needs.

Add its convenience and safety, and TrojanUVMax™ truly represents the way of the future for residential and commercial water disinfection.



The TrojanUVMax™ system.

The most advanced UV technology, ensuring that you get a robust, cost-effective, and efficient solution to your disinfection needs.



Preparing your water for UV disinfection
The TrojanUVMax™ system works in tandem with a pre-treatment system that prepares your water for UV disinfection. See your water treatment dealer for more information.

* Components marked by an asterisk are not included in the TrojanUVMax™ system.

① **High output UV lamps**
The UV light is generated from a low-pressure, high-output lamp new to the residential and commercial UV market. These lamps provide a higher intensity of UV light making it possible to treat a given volume of water with smaller, more efficient units.

② **A unique water chamber design**
Trojan's unique water chamber optimizes hydraulic performance and increases disinfection efficiency. Designed by computer simulation and validated by bioassay testing, the water chamber maximizes exposure to the penetrating light. With models to treat flow rates from 0.75 to 40 gallons per minute (2.8 to 151 liters per minute), TrojanUVMax™ is leading the next generation of residential and commercial UV systems.

③ **New power supply technology**
Electronic advances in Trojan's power supply offer flexibility over a broad range of voltage supplies (90-265v). In addition, it can withstand fluctuations in voltage that most power supplies are unable to tolerate while maintaining lamp intensity to ensure continuous disinfection.

④ **TrojanUVMax™ reminds you to replace the lamp**
To help remind you when to replace the lamp (it is important to do it once every year), Trojan has incorporated visual and audio signals. And, at any time, the display will tell you how many months the lamp has been in use. Should your lamp ever fail, your system will automatically sound an alarm.

New UV intensity monitoring device
The premium version, TrojanUVMaxPlus™, incorporates brand new and innovative UV intensity monitoring technology. The new design enhances the reliability and accuracy of this optional safety feature.

How does UV disinfection work?
When bacteria, viruses, and other microorganisms are exposed to germicidal UV light at a particular wavelength (253.7 nanometers) their reproductive capabilities are destroyed, which means that they are inactivated and no longer pose a threat to human health.

Ultraviolet disinfection systems channel water past submerged lamps that emit lethal doses of UV energy, destroying any pathogens. The strength of a dose is a product of the UV light intensity and exposure time. 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 to drink or use commercially.

Who uses UV disinfection systems?
For more than 20 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
- FARMS
- NURSING HOMES
- HOSPITALS
- SCHOOLS
- HOTELS
- RESTAURANTS
- RESORTS AND HOLIDAY CAMPS
- LABORATORIES
- FOOD AND BEVERAGE COMPANIES
- PHARMACEUTICAL COMPANIES
- COMMUNITY WATER SYSTEMS

TrojanUVMax™ Certifications





TrojanUVMax™ offers models to treat flow rates from 0.75 to 40 gallons per minute (2.8 to 151 liters per minute)

Product specifications

TROJANUVMAX™ MODEL: FLOW RATES*	A < 1-3 GPM < 4-11 LPM	B 2-5 GPM 7-19 LPM	C 3-14 GPM 11-53 LPM	D 3-14 GPM 11-53 LPM	E 7-28 GPM 26-106 LPM	F 13-47 GPM 49-178 LPM
ELECTRICAL						
	120V/60Hz	90-140V	90-140V	90-265V	90-265V	90-265V
	230V/50Hz	190-265V	190-265V			
		50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
	25 W	27 W	43 W	43 W	67 W	102 W
DIMENSIONS						
Chamber Assembly	15.5" x 2.5" 39 x 6.5cm	13.5" x 3.5" 34 x 9cm	19.5" x 3.5" 49.5 x 9cm	19.5" x 3.5" 49.5 x 9cm	29" x 3.5" 73.5 x 9cm	43.5" x 3.5" 110 x 9cm
Lamp/Sleeve Length	12" 30cm	9.75" 25cm	16" 40.5cm	16" 40.5cm	25.5" 65cm	39.75" 100.5cm
Control Module	2.8" x 3.3" x 2.3" 7 x 8 x 6cm	6" x 4" x 2.5" 15 x 10 x 6cm	6" x 4" x 2.5" 15 x 10 x 6cm	9.75" x 6" x 2.5" 25 x 15 x 6cm	9.75" x 6" x 2.5" 25 x 15 x 6cm	9.75" x 6" x 2.5" 25 x 15 x 6cm
Max. Operating Pressure	125psi	125psi	125psi	125psi	125psi	125psi
Audible/Visual Lamp Failure Alarm	✓	✓	✓	✓	✓	✓
Alarm Reset	—	—	—	✓	✓	✓
Elapsed Time Meter	—	—	—	✓	✓	✓
Dry Contact**	—	—	—	✓	✓	✓
Lamp Replacement Reminder	—	—	—	✓	✓	✓
UV Intensity Monitor	—	—	—	D Plus	E Plus	F Plus
Water Chamber Material	304 SS	304 SS	304 SS	304 SS	316 SS	316 SS
Electropolished Exterior	—	—	—	✓	✓	✓
Inlet/Outlet	3/8" FNPT	3/4" NPT	3/4" NPT	3/4" NPT	1" NPT	1" NPT

* See sizing charts for details. Flow rates shown are at 85% UVI. ** Remote options cord needed for solenoid valve or remote alarm connection.

Warranty

Trojan Technologies guarantees the structural, hardware, and electrical components of the TrojanUVMax™ product line to be free of material defects for five years. Lamps and UV intensity monitors are guaranteed for one year.

Trojan Technologies is preparing for tomorrow's environmental needs today

Protecting the Earth's water resources is an environmental necessity, one that Trojan Technologies takes seriously. Our mandate is to make the world a safer, cleaner, and healthier place for future generations. In fact, we are doing it already.

Since 1976, we have been leading the world's switch to water disinfection systems that use safe, efficient ultraviolet light in lieu of harmful chemicals. Today, industries, municipalities, businesses, institutions, and homeowners around the globe all use Trojan's UV systems to protect their water supplies.

For more information on how you too can gain the peace of mind that TrojanUVMax™ offers, please visit our website at www.trojanuvmax.com or contact your authorized Trojan dealer.



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Product in this brochure may be covered by one or more of the following patents:
Can-2,160,729 U.S. 5,471,063 U.S. 5,504,335 U.S. 5,514,877 Other patents pending

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