TROJAN UV™

WATER CONFIDENCE™

TROJAN UV MAX™

THE PROVEN WAY TO SAFEGUARD
YOUR FAMILY'S DRINKING WATER

Is your water safe?

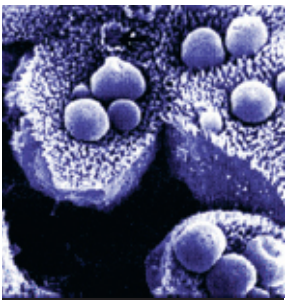
How safe is the water you drink? Do you really know for sure? If your home relies on a private water supply – whether it is a well, spring, lake or river – the quality of the water you and your family drink varies from day to day. Heavy rainfalls or melting snow can affect its purity. Agricultural run-off and distant sources of contamination can leach into groundwater over time and impact wells miles away. The simple fact is – water that has been safe for years will not necessarily be safe tomorrow.

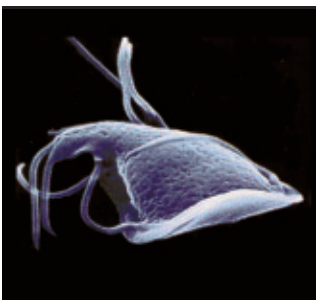
Bad water test?
20% to 40% of wells are contaminated

Water quality studies commonly find that between 20 and 40 percent of wells in any given area are contaminated with *E. coli* or coliform bacteria. Unfortunately, most people don't take precautions until they've experienced a bad water test. And then, the typical response is to simply pour chlorine bleach into their well. Using chemicals for disinfection is a short term solution. More importantly, chemicals can produce carcinogenic by-products and affect the taste and odor of your water.

Boil water advisory?

Township and city-managed water supplies aren't failsafe, either. Boil water advisories are becoming more common. Beyond the inconvenience they cause, such advisories are a clear warning that the clean water we've taken for granted is becoming a scarce resource.





Cryptosporidium (left), the microorganism responsible for 50 deaths and widespread illness when it contaminated Milwaukee's drinking water supply in 1993, is almost completely resistant to chlorine, as is Giardia (right).

Only UV fully protects you from bacteria and viruses

Ultraviolet (UV) Light

☑ **Highly Effective**
Trojan UV systems treat the water for the whole home, eliminating 99.99% of bacteria and viruses including chlorine-resistant cysts that are not tested for in routine water tests (such as *Cryptosporidium* and *Giardia*).

Chemical Disinfection

☒ **Not effective** against *Cryptosporidium* and *Giardia*

Water Filtration

☒ **Not effective** against bacteria, viruses and other harmful microorganisms

Reverse Osmosis (R/O)

☒ **Not recommended** for use with water that is microbiologically unsafe or of unknown quality

How does UV work?

The germicidal energy of ultraviolet light destroys harmful microorganisms by attacking their genetic core (DNA). This powerful dose of UV light eliminates their ability to reproduce, and the organisms simply die.

Water is purified by running it through a watertight chamber that contains an ultraviolet lamp. As water flows past, microorganisms are exposed to a lethal dose of germicidal UV energy.

TROJANUVMAX™

The proven way to safeguard your family's drinking water. Install a TrojanUVMax water purification system and drink with confidence. You no longer have to be concerned about bad water tests, boil water advisories, or contamination by harmful microorganisms. The TrojanUVMax uses the same proven UV technology that we build into our large systems that purify the leading brands of bottled water and the drinking water of major cities. Tens of thousands of TrojanUVMax systems are at work protecting the water in homes, cottages, schools, daycare centers and other facilities. Here's why.

Proven 99.99% effective

TrojanUVMax systems undergo exhaustive testing and evaluation to ensure they destroy 99.99 percent of harmful microorganisms, including *E. coli, Cryptosporidium,* and *Giardia.*

Environmentally-friendly and chemical-free

Purification with the TrojanUVMax is a safe, natural process that adds no chemicals and does not affect the taste or odor of your water.

High output UV lamps

Specialized, high output UV lamps maximize the output of germicidal UV energy.

Advanced, space-saving design

A TrojanUVMax system, capable of treating the water for an entire home, is less than 20" (50cm) in length and fits just about anywhere. That's because the TrojanUVMax was developed using a sophisticated, 3-dimensional, computer modelling process that resulted in a compact UV chamber that delivers maximum UV purification.

Automatic lamp replacement reminder

The helpful digital display provides system information, including how many months the UV lamp has been in use. Once each year, an automatic visual and audible reminder will notify you that it's time to replace the lamp.

Safe and easy to maintain

Replacing the UV lamp is simple and can be completed in minutes – without tools. A special safety cap on the chamber prevents children from accessing the lamp or electrical components.

Stable, energy-efficient power delivery

The electronic power supply accurately maintains lamp intensity during power fluctuations, assuring continuous purification. The energy-efficient system uses about the same amount of energy as a 40 watt light bulb.

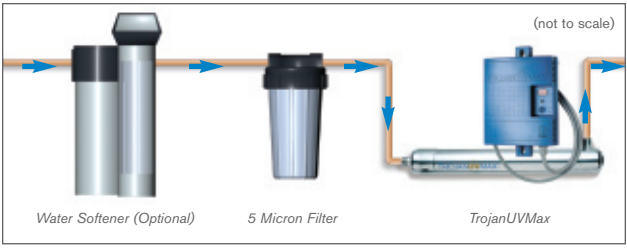
Selecting the right TrojanUVMax

With an extensive line of TrojanUVMax water purification systems to choose from, there's one that's right for your home, cottage, or commercial needs. Because the characteristics of source water vary widely from region to region, it's always a good idea to consult your TrojanUVMax retailer or other water professional about proper sizing and installation of your system.

Model	A	B
Application*	Single faucet	Faucet or small cottage
Audible/Visual Lamp Failure Alarm	✓	✓
No-tools Maintenance	✓	✓
Safety Cap	✓	✓
Electronic Power Supply	✓	✓
Alarm Reset	–	–
Lamp-age Display and Alert	–	–
Digital Diagnostic Display	–	–
Electropolished Exterior	–	–
External Control Relay	–	–
UV Intensity Sensor	–	–
Solenoid (shut-off valve)	–	–
Water chamber material	304 SST	304 SST
Inlet/Outlet	3/8" FNPT	3/4" NPT or BSP
Chamber size (LxW)	15.5" x 2.5" 39 x 6.5cm	13.5" x 3.5" 34 x 9cm

**To ensure proper performance, water entering a TrojanUVMax system should be p parameters: Iron <0.3 ppm; Hardness <120 ppm (7 GPG); UV Transmittance >75%.*
Ask your water treatment dealer for details, or try our sizing tool at www.trojanuv.co

Typical TrojanUVMax installation



TrojanUVMax systems provide the final stage of treatment before water is fed to your hot water heater and faucets. Its powerful UV light eliminates any illness-causing microorganisms in your water and prevents contamination of your plumbing.

C	D	E	F
Average home	Average home	Larger than average home	Large home or commercial application
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
–	✓	✓	✓
–	✓	✓	✓
–	✓	✓	✓
–	✓	✓	✓
–	✓	✓	✓
–	Optional	Optional	Optional
–	Optional	Optional	Optional
304 SST	316 SST	316 SST	316 SST
3/4” NPT or BSP	3/4” NPT or BSP	1” NPT or BSP	1” NPT or BSP
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

pre-filtered using a standard 5-micron filter, and meet basic water quality
A number of factors affect the size of system that is appropriate.
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Trojan UV: Trusted around the world

The Trojan name inspires water confidence around the world. In over 25 countries, our UV systems are treating and purifying water in thousands of cities, communities, industries and homes for literally millions of people. Every day, Trojan UV systems treat more than 12 billion gallons of water.

The TrojanUVMax uses the same proven UV technology and expertise that we build into the systems that purify the leading brands of bottled water and the drinking water of large cities like Seattle, Washington. Enjoy that same confidence in the water you and your family drink with the TrojanUVMax.

Trojan builds the large UV systems used to purify many of the leading brands of bottled water, as well as the municipal drinking water of many cities.

Comprehensive 5-Year Warranty

Trojan 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 UV

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