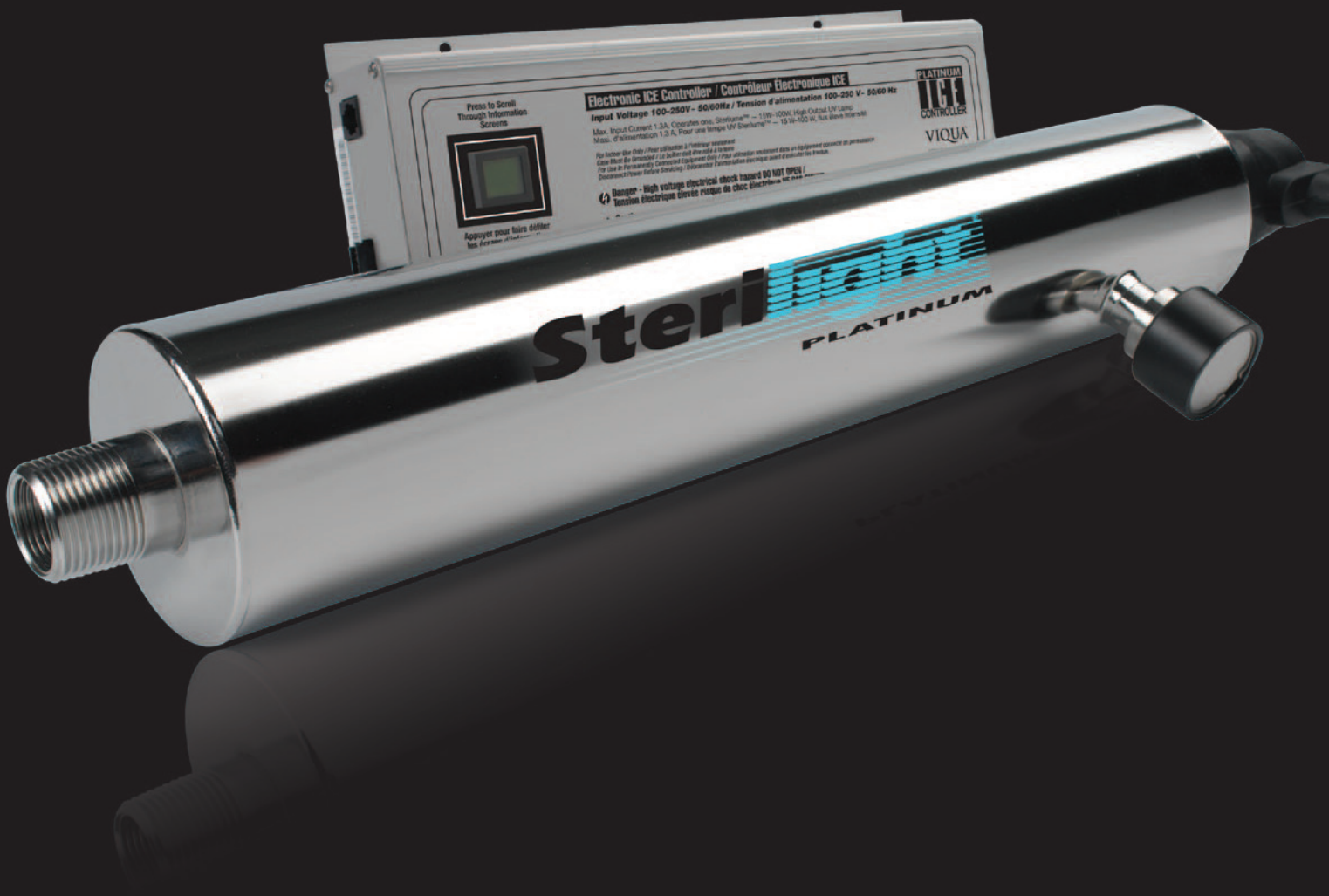
Systems tested and certified by NSF International against NSF/ANSI Standard 55 for disinfection performance, Class A.



Ultraviolet Disinfection Systems

PLATINUM

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

Sterilight® PLATINUM

Ensuring the safety of your water.

UV disinfection for drinking water is an acceptable alternative disinfectant under the drinking water regulations worldwide, as long as the equipment has proof of performance (third party validation).

NSF is a certified testing facility that conducts UV validations under the NSF 55 Class A protocol.

Sterilight SPV systems have undergone validation with NSF and hold certification to deliver an accepted dose of 40 mJ/cm^2.

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Safety-Loc™ Lamp Connector

The interlock switch easily allows users simple, safe lamp removal without the use of special tools.

Combo Ports

For ease of installation [all point-of-entry systems].

Flow-Pace™ UV Sensor

This UV sensor promises system stability and long-life reliability with low power consumption, reduced operational costs and less heat transfer into the water.

Axial Flow

Sterilight® Platinum™ reactors include a patented axial flow system installed at the inlet. The axial flow directs water entering the chamber to the most intense area of UV light – ensuring water confidence each and every time.

Electropolished and Passivated Reactor Chamber

Manufactured from 316L stainless steel.

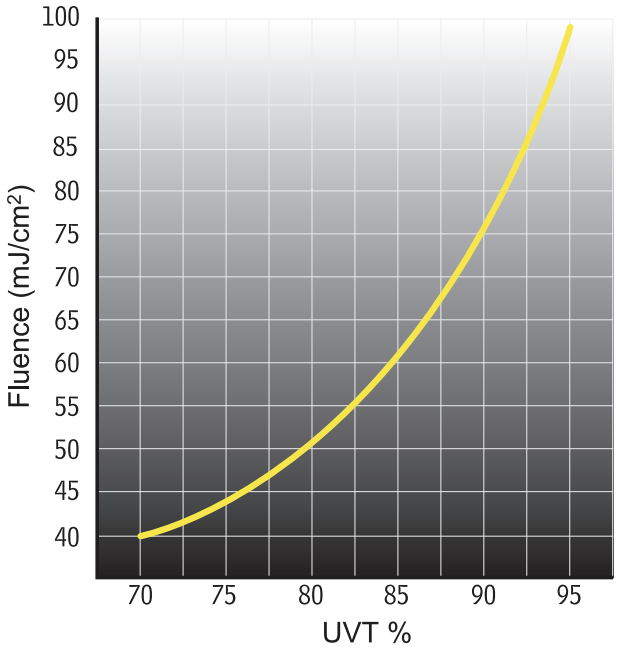
Steri light PLATINUM

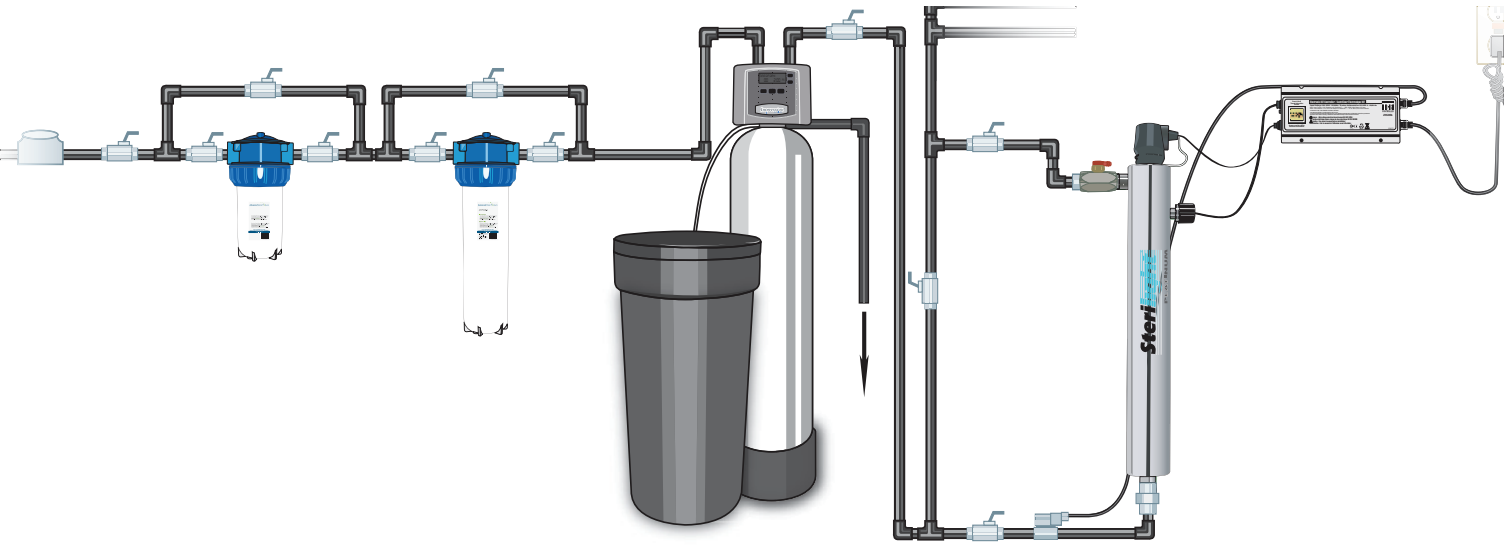
Platinum ICE Controller

- graphic interface (Smart Switch™)
- universal power (100-250V)
- visual elapsed time meter (counts down remaining days between lamp changes and provides for total running time of controller)
- visual UV intensity output in %
- constant current output
- full system diagnostic check on start-up
- dry contacts (for solenoid etc.)
- universal IEC power input connector

Sizing Your System

The UV dose delivered by a given reactor is dependent on many factors, including water quality and flow rate. NSF/ANSI Standard 55 requires that the UV system deliver a minimum UV fluence of 40 mJ/cm^2 at the alarm set-point. The accompanying graph shows how the delivered fluence will be affected at varying UV transmittance levels.





Typical Point-of-entry Illustration

Water Quality Guidelines

Iron: < 0.3 ppm (0.3 mg/L)
Hardness: < 7 gpg (120 mg/L)
Turbidity: < 1 NTU
Manganese: < 0.05 ppm (0.05 mg/L)
Tannins: <0.1 ppm (0.1 mg/L)
UV Transmittance: > 75%

Lamps

Sterilume HO lamps utilize low pressure high output technology in order to deliver superior performance. All SPV lamps include the following:

- > Proprietary lamp coating
- > Consistent UV output
- > Superior cold water start conditions
- > One year warranty

get **genuine**

VIQUA - a Trojan Technologies company offers a wide range of certifications, both electrical and microbiological, throughout the Sterilight product line. VIQUA cannot warranty any system or system components if non-genuine parts are used, specifically lamps. Getting genuine ensures maintenance of your system warranty, electrical certification and NSF 55 validation. Ensure the performance, safety and warranty of your Sterilight systems…get **genuine**.

General

Chamber Material	316L SS
Electropolished & Passivated	Yes
UV Intensity Monitor	Yes
Flow Pacing – Sensor	Yes

Elapsed Time Meter

Countdown	Yes
Total Hours	Yes

Controls

Flow Restrictor	Yes
Dry Contacts	Yes
Lamp Replacement Reminder	Yes
Diagnostic Check	Yes

Operating Parameters

Maximum Operating Pressure	8.62 bar (125 psi)
Minimum Operating Pressure	1 bar (14.5 psi)
Pressure Drop at Rated Flow	0.3 bar (4 psi) at 50% rated flow*
Ambient Water Temperature	2-40°C (36-104°F)
Maximum Ambient Temperature	50°C (122°F)
Installation	Horizontal or Vertical

NSF/ANSI Certification — Standard 55 Class A

Other Certifications

* pressure drop due to flow restrictor

	SPV-200	SPV-410	SPV-600	SPV-740	SPV-950
[1]Rated flow at dose of 40 mJ/cm²	9.9 lpm (2.6 gpm) (0.5 m³/hr)	22.6 lpm (5.9 gpm) (1.3 m³/hr)	32.7 lpm (8.6 gpm) (1.9 m³/hr)	42.9 lpm (11.2 gpm) (2.5 m³/hr)	56.6 lpm (14.9 gpm) (3.4 m³/hr)

Electrical

Voltage	100-250V/50-60 Hz				
Power Consumption	35 W	52 W	73 W	88 W	110 W
Lamp Watts	30 W	45 W	65 W	80 W	100 W

Dimensions

Reactor	45 cm x 9 cm (18" x 3.5")	67 cm x 9 cm (26" x 3.5")	86 cm x 9 cm (34" x 3.5")	100 cm x 9 cm (39" x 3.5")	121 cm x 9 cm (48" x 3.5")
Controller	28 cm x 11 cm (11" x 4.5")	28 cm x 11 cm (11" x 4.5")	28 cm x 11 cm (11" x 4.5")	28 cm x 11 cm (11" x 4.5")	28 cm x 11 cm (11" x 4.5")
Shipping Weight	5.4 kg (12 lbs)	6.8 kg (15 lbs)	8.2 kg (18 lbs)	8.6 kg (19 lbs)	9.5 kg (21 lbs)
Inlet/Outlet Port Size	1/2" MNPT	Combo 3/4" FNPT/ 1" MNPT	Combo 3/4" FNPT/ 1" MNPT	Combo 3/4" FNPT/ 1" MNPT	Combo 3/4" FNPT/ 1" MNPT

[1] Flow rates stated as determined by NSF/ANSI Standard 55 testing.

Warranty

The Sterilight® Platinum™ Series systems come with a seven year warranty against manufacturer's defects on the stainless steel reactor chamber; a one year warranty on lamps, sleeves, and UV intensity monitors; and a five year pro-rated warranty on all other components.

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VIQUA™
A TROJAN TECHNOLOGIES COMPANY

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