

# **Steri**

**PLATINUM**



SteriLight<sup>®</sup> Platinum offers you complete water confidence.

### **Water Safety**

Worried about the safety of your water supply? Trust SteriLight<sup>®</sup> Platinum<sup>™</sup> as an effective way to treat water-borne problems including bacteria (*E. coli*), virus, algae, mould, and protozoa (*Cryptosporidium* and *Giardia lamblia*).

### **Sustainability**

Disinfection using UV light is fast becoming the ecological choice in water disinfection. UV disinfection does not require the addition of chemicals to the water, therefore protecting ourselves and the environment from potentially harmful disinfection chemicals.

### **Reliability**

Platinum systems are easy to install and require little maintenance. The system controller features a lamp replacement reminder, which prompts you annually to change your lamp. Changing your lamp ensures the reliability of your system – giving you constant peace of mind

**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

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**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

**Lamps**

Sterilume HO lamps utilize low pressure high output technology in order to deliver superior performance.

All SP 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 and electrical certification. Ensure the performance, safety and warranty of your Sterilight systems...get **genuine**.



**Safety-Loc™ Lamp Connector**

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

**MNPT Ports**

**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.

**304 Stainless Steel Reactor Chamber**

### General

Chamber Material	304L SS
UV Intensity Monitor	Yes
Flow Pacing – Sensor	Yes

### Elapsed Time Meter

Countdown	Yes
Total Hours	Yes

### Controls

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 (30 mJ/cm <sup>2</sup> )	0.2 bar (2.5 psi)
Ambient Water Temperature	2-40°C (36-104°F)
Maximum Ambient Temperature	50°C (122°F)
Installation	Horizontal or Vertical

### Certifications



### SP320-HO SP410-HO SP600-HO SP740-HO SP950-HO

#### Flow Rate<sup>1</sup>

	SP320-HO	SP410-HO	SP600-HO	SP740-HO	SP950-HO
<b>US Public Health - 16 mJ/cm<sup>2</sup></b>	106.0 lpm (28 gpm) 6.4 m <sup>3</sup> /hr	140.0 lpm (37 gpm) 8.4 m <sup>3</sup> /hr	151.2 lpm (40 gpm) 9.1 m <sup>3</sup> /hr	227.1 lpm (60 gpm) 13.6 m <sup>3</sup> /hr	227.1 lpm (60 gpm) 13.6 m <sup>3</sup> /hr
<b>VIQUA Standard - 30 mJ/cm<sup>2</sup></b>	56.8 lpm (15 gpm) 3.4 m <sup>3</sup> /hr	76.0 lpm (20 gpm) 4.5 m <sup>3</sup> /hr	132.2 lpm (35 gpm) 7.9 m <sup>3</sup> /hr	158.9 lpm (42 gpm) 9.5 m <sup>3</sup> /hr	196.8 lpm (52 gpm) 11.8 m <sup>3</sup> /hr
<b>NSF/EPA - 40 mJ/cm<sup>2</sup></b>	41.6 lpm (11 gpm) 2.5 m <sup>3</sup> /hr	53.0 lpm (14 gpm) 3.2 m <sup>3</sup> /hr	98.4 lpm (26 gpm) 5.9 m <sup>3</sup> /hr	117.3 lpm (31 gpm) 7.0 m <sup>3</sup> /hr	147.6 lpm (39 gpm) 8.9 m <sup>3</sup> /hr

#### Electrical

Voltage	100-250V/50-60 Hz				
Power Consumption	42 W	52 W	73 W	88 W	110 W
Lamp Watts	36 W	45 W	65 W	80 W	100 W

#### Dimensions

	SP320-HO	SP410-HO	SP600-HO	SP740-HO	SP950-HO
<b>Reactor</b>	58 cm x 9 cm (23" x 3.5")	67 cm x 9 cm (26" x 3.5")	78 cm x 9 cm (31" x 3.5")	100 cm x 9 cm (39" x 3.5")	121 cm x 9 cm (48" x 3.5")
<b>Controller</b>	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")
<b>Shipping Weight</b>	6.8 kg (15 lbs)	7.7 kg (17 lbs)	8.6 kg (19 lbs)	10.9 kg (24 lbs)	13.1 kg (29 lbs)
<b>Inlet/Outlet Port Size</b>	Combo 3/4" FNPT/ 1" MNPT	1" MNPT	1" MNPT	1.5" MNPT	1.5" MNPT

<sup>1</sup> Flow rates stated at 95% UVT<sub>10</sub>

## Warranty

The Sterilight<sup>®</sup> Platinum<sup>™</sup> 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.

## 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%