

# **Sterilight**<sup>®</sup>

Light Commercial Applications

**S80, SM80, SV50**



## **Proven Performance.**

Validated under the rigors of the **USEPA UVDGM**. 2006 validation protocol, this product offers a compact piece of equipment for light commercial installations as well as regulated and non-regulated drinking water applications.

## **More Capacity.**

A unique combination of brains and brawn, with twice the raw power of other UV systems. Most importantly this systems ability to deliver a constant reliable dose at a higher capacity perfect for light commercial applications.

## **Install in a Wide Range of Water Temperatures.**

A revolutionary lamp design provides a constant UV dose in a range of water temperatures, from hot recirculation lines to ice-cold water, giving you the flexibility to install in a variety of site conditions.

**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


**INTUITIVE INTERFACE**

Because a picture is worth a thousand words.

**SIMPLE CONNECTIONS**

With plug-and-play color coded connections, it's as easy as “connect the dots.”


**Revolutionary Lamp**
**TWICE THE POWER**

These Sterilight systems use a revolutionary lamp with twice the output of current high-output lamps, giving you compact single-lamp systems that are half the size of their predecessors. Size does matter.

**TWICE THE LIFE EXPECTANCY**

Our revolutionary lamps can last up to two years, reducing maintenance requirements.





### COOLER WATER

The CoolTouch significantly reduces water temperature and does not waste any water.

### EASY QUARTER-TWIST ASSEMBLY

A quarter-twist to the positive stop and you're done. No tools, no risk of overtightening.

### INTEGRATED GROUND

Like a standard plug - no more grounding wires!

### INFORMATION IS POWER

The optional COMMcenter displays dose in real-time and can monitor up to 9 UV systems - that's up to 720 gpm!



### TEST OF SENSOR OPERATION

With the push of a button you can confirm the proper operation of the sensor. (available on the SV500 and SM80 only).

## GENERAL

Colour-coded plug and play connections	Yes
UV intensity monitor with diagnostic test	Yes <i>(SV50 &amp; SM80 models only)</i>
CoolTouch fan	Yes
Communications ports (two, RJ45)	Yes
Chamber material	316L SST
Rated service life of lamp	2 years
Inlet and outlet	2" MNPT

## Controls

Audible alarm mute button	Yes
New lamp button	Yes
Lamp age indicator	Yes
Lamp operation indicator	Yes
Ballast operation indicator	Yes
Solenoid operation indicator	Yes
Fan operation indicator	Yes
Sensor reading indicator	Yes

## Operating Parameters

Maximum operating pressure	100 PSI (689 kPa)
Minimum operating pressure	10 PSI (69 kPa)
Maximum ambient air temperature	104°F (40°C)
Minimum ambient air temperature	32°F (0° C)
Maximum humidity	100%
Maximum hardness	120 ppm (7 grains per gallon)
Maximum iron	0.3 ppm
Minimum UVT	85%
Installation	Vertical

**Third Party Validation** USEPA UVDGM 2006

## Other certifications



## S80, SM80\*\* SV50\*

Rated flow at dose of 30 mJ/cm <sup>2</sup>	80 GPM (303 LPM)	---
Rated flow at dose of 40 mJ/cm <sup>2</sup>	---	50 GPM (189 LPM)

## Electrical

Voltage	120-240V AC	120-240V AC
Frequency	50-60Hz	50-60Hz
Max. current	2.4 Amp	2.4 Amp
Max. power consumption	230 Watts	230 Watts
Lamp power consumption	200 Watts	200 Watts

## Dimensions

Chamber	41" x 4" 103 x 10cm	41" x 4" 103 x 10cm
Power Supply	13" x 6.5" 33 x 16.5cm	13" x 6.5" 33 x 16.5cm

\*Flow rates shown are at 85% UVT and End of Lamp Life.  
 \*\* Flow rates shown are at 95% UVT and End of Lamp Life.

