

# Residential and Commercial Applications



**Splenvue**<sup>®</sup>  
ELECTRUM

# RELIABILITY IS SPLENVUE WITH POWER TO PURIFY WATER

• *Healthy* • *Safety* • *Clean*

Ultraviolet (UV-C rays /253.7 nm) water disinfection system is a unique and rapid method of water disinfection without the use of heat or chemicals to effectively destroys bacteria, virus, mold & algae.

Ultraviolet (UV) light treatment is a widely recognized and proven method of disinfection of water and has several advantages over other disinfection methods such as chlorination, ozonation, etc.... UV light does not add anything to the water, such as undesirable color, odor, taste or flavor, nor does it generate harmful byproducts. It adds only energy in the form of ultraviolet radiation. Also, UV disinfection requires only a fraction of the contact times required by other disinfection methods. It is fast, efficient, effective, economical and environmentally-friendly.



## ADVANTAGES

- *Effective* • *Economical* • *Safe*
- *Fast* • *Easy* • *Automatic*
- *Chemical Free*

## APPLICATIONS:

Drinking Water / Food Processing / Medical / Industries

## DOSAGE IS THE PRODUCT OF INTENSITY & TIME

Dosage = Intensity x Time  
= microWatt/cm<sup>2</sup> x time  
= microwatt-seconds per square centimeter (μW-s/cm<sup>2</sup>)

Note: 1000 μW-s/cm<sup>2</sup> = 1 mJ/cm<sup>2</sup> (milli-Joule/cm<sup>2</sup>)

| Model#                                                            | S1E                                            | S2E                              | S5E                                | S8E                              | S12E                             |
|-------------------------------------------------------------------|------------------------------------------------|----------------------------------|------------------------------------|----------------------------------|----------------------------------|
| Flow Rate<br>(90m <sup>3</sup> /cm <sup>2</sup> based on 95% UVT) | 2gpm (0.5 m <sup>3</sup> /Hr.)                 | 3gpm (0.7 m <sup>3</sup> /Hr.)   | 6gpm (1.4 m <sup>3</sup> /Hr.)     | 10gpm (2.3 m <sup>3</sup> /Hr.)  | 15gpm (3.4 m <sup>3</sup> /Hr.)  |
| Inlet/Outlet Port                                                 | 1/4" MNPT                                      | 1/2" MNPT                        | 1/2" FNPT with<br>3/4" MNPT        | 3/4" FNPT with<br>1" MNPT        | 3/4" FNPT with<br>1" MNPT        |
| Reactor                                                           | 39.5 cm x 6.5 cm<br>(15.6" x 2.5")             | 44 cm x 6.5 cm<br>(17.4" x 2.5") | 56.7 cm x 6.5 cm<br>(22.3" x 2.5") | 91 cm x 6.5 cm<br>(35.8" x 2.5") | 96 cm x 6.5 cm<br>(37.8" x 2.5") |
| Ballasts Controller                                               | 17.6 cm x 7.4 cm x 5.3 cm (6.9" x 2.9" x 2.1") |                                  |                                    |                                  |                                  |
| Voltage                                                           | 100 - 250V./50 - 60Hz                          |                                  |                                    |                                  |                                  |
| Lamp Watts                                                        | 14 W                                           | 17 W                             | 25 W                               | 37 W                             | 39 W                             |
| Power Consumption                                                 | 19W                                            | 22W                              | 30W                                | 46W                              | 48W                              |
| Max. Current                                                      | 0.42 A.                                        |                                  |                                    |                                  |                                  |

## Control

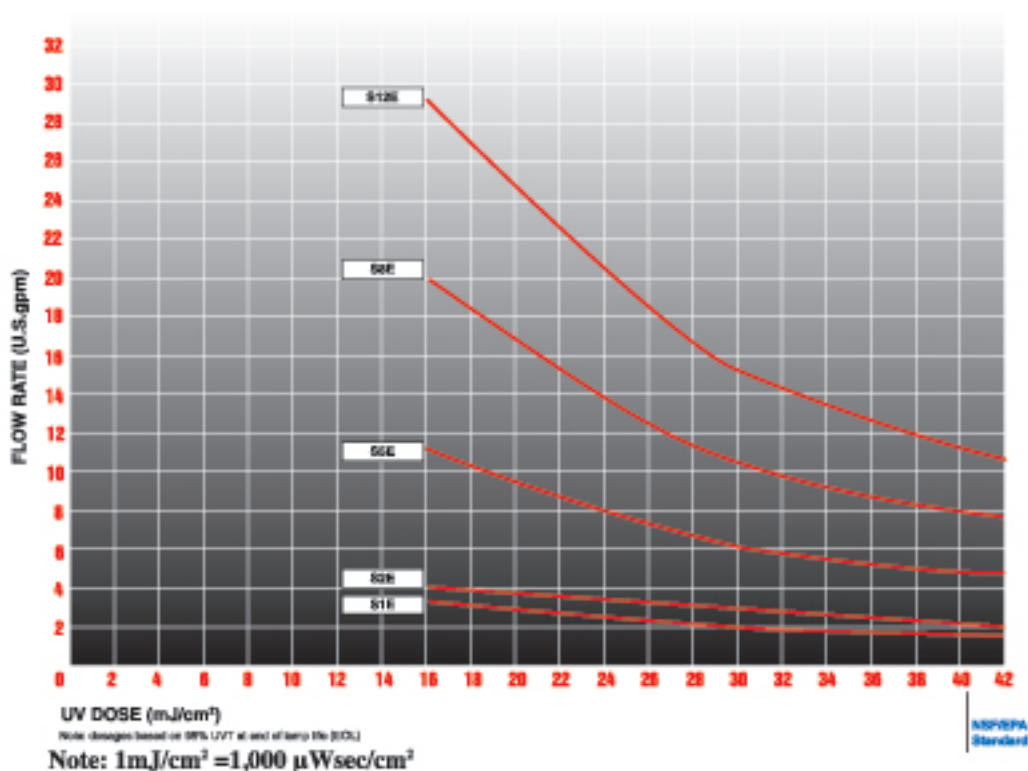
Lamp Life Time – Countdown  
Lamp Replacement Reminder  
Total Running Days  
Reset Timer  
Audible Alarm  
Lamp Operation Indicators

## Operating Parameters

Max. Operating Pressure 125 psi ( 8.62 bar)  
Ambient Water Temperature 2 - 40° ( 36 - 104°)  
Iron: < 0.3 ppm (0.3 mg/L)  
Hardness: < 7 gpg (120 mg/L)  
Turbidity: < 1 NTU  
UV Transmittance: > 75%

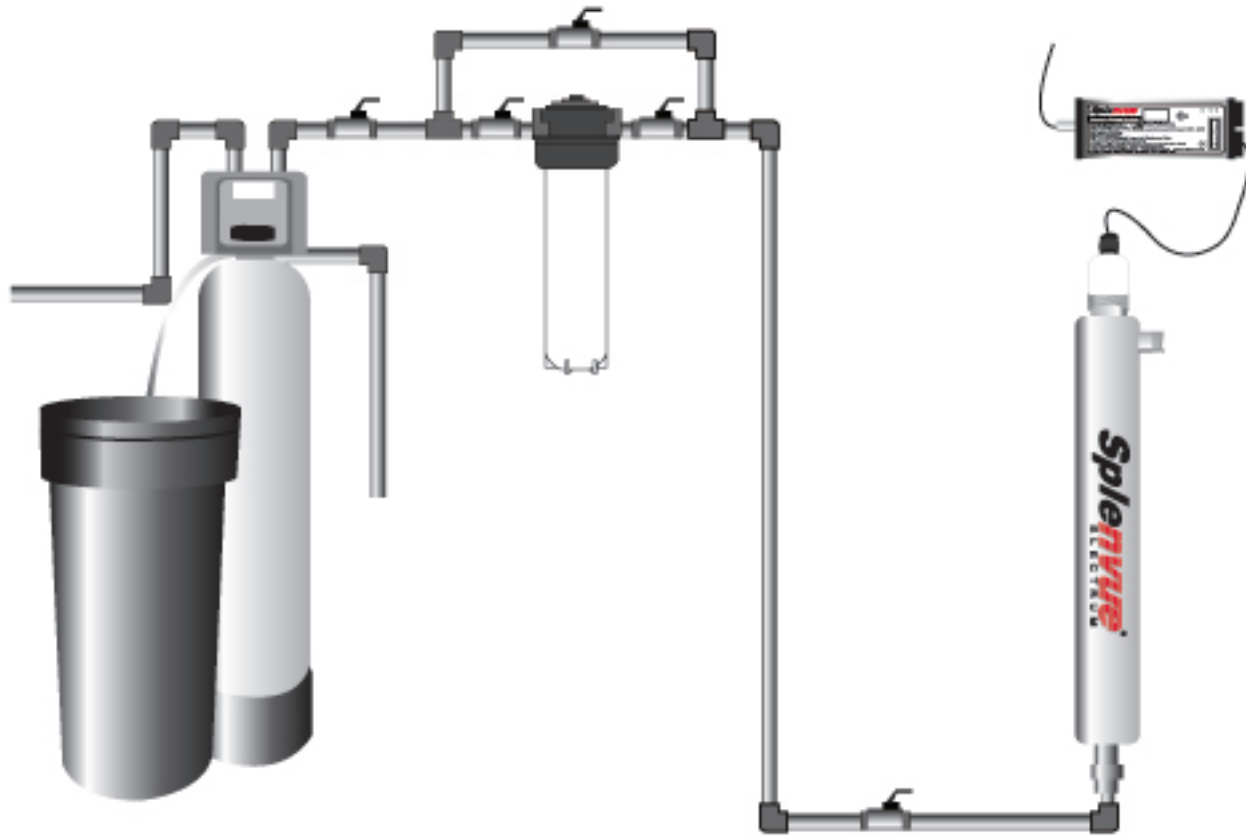
## General

4-Log (99.99%) Reduction in bacteria, viruses and protozoan cysts  
Electropolished 304SS Reactor Chamber (316SS Available On Request)  
Installation: Vertical or Horizontal



## Typical Installation

**Splenvue**  
ELECTRUM



**Warranty** Splenvue® ELECTRUM™ series water disinfection systems carry a TWO year warranty on the stainless steel reactor chamber, a one year warranty on UV lamp, quartz sleeve and other components.



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