



System SPV-410

flow rates of 5.9, gpm

high output coated UV lamps

316L stainless steel electropolished axial flow reactors

electronic controller with graphical Smart-Switch™ interface

2-stage flow pacing with Flow-Pace™ UV sensor

over molded connector with built-in safety interlock switch

NSF/ANSI certified under Standard 55, Class A

316L stainless steel flow restrictors

> 99.99% destruction of bacteria, virus, and protozoan cysts (Giardia lamblia & Cryptosporidium) at rated flow

natures way to protect your water without the addition of harmful chemicals

seven year warranty on reactor chamber for unparalleled protection

product certified by CSA (C US) and to CE standards

Reactor



Axial flow design reactors (CFD modeled)

Flow distributor washer to redirect water close to the lamp upon exiting the chamber

316L electropolished and passivated

Combination ports (3/4" FNPT / 1" MNPT) on 6 - 20 gpm systems

A249/A269 pressure rated tube

Controller



Smart Switch™ graphic user interface switch
100-250 VAC universal operation
Visual UV intensity readings (reads in % UV output)
Visual elapsed time meter (counts down remaining days between lamp changes and provides total running time of controller)
Constant current output over entire input line voltage
Active power factor correction
EMI/RFI filtering (meets new CE directives)
One controller to drive all lamps
Isolated power source for alarm system
True lamp current detection
Full diagnostic check on start-up
Separate fuse protection for ballast circuit
Dry contacts (for solenoid, lamps, audible alarms, etc.)
RJ-11 communication port
Universal IEC power input connector

Sensor

Discrete 254nm UV sensor provides stable, long-life reliability
Patent pending 2-stage flow pacing (adjusts lamp power in relation to water flow)
Sensor and calibration all in one water tight enclosure
Flush sensor face eliminates air bubbles

Connector

New one-piece molded lamp connector
Power interlock switch built-in to the connector (automatically disconnects power to the lamp when connector is removed)
Allows for quick and easy lamp removal without any special tools
Keyed to reactor chamber for optimum lamp/sensor alignment

HO Lamps

High output UV lamps
Proprietary lamp coating for consistent UV output
Superior cold operation
Ceramic lamp bases
9000 hour life
One-year warranty on all Sterilume HO lamps