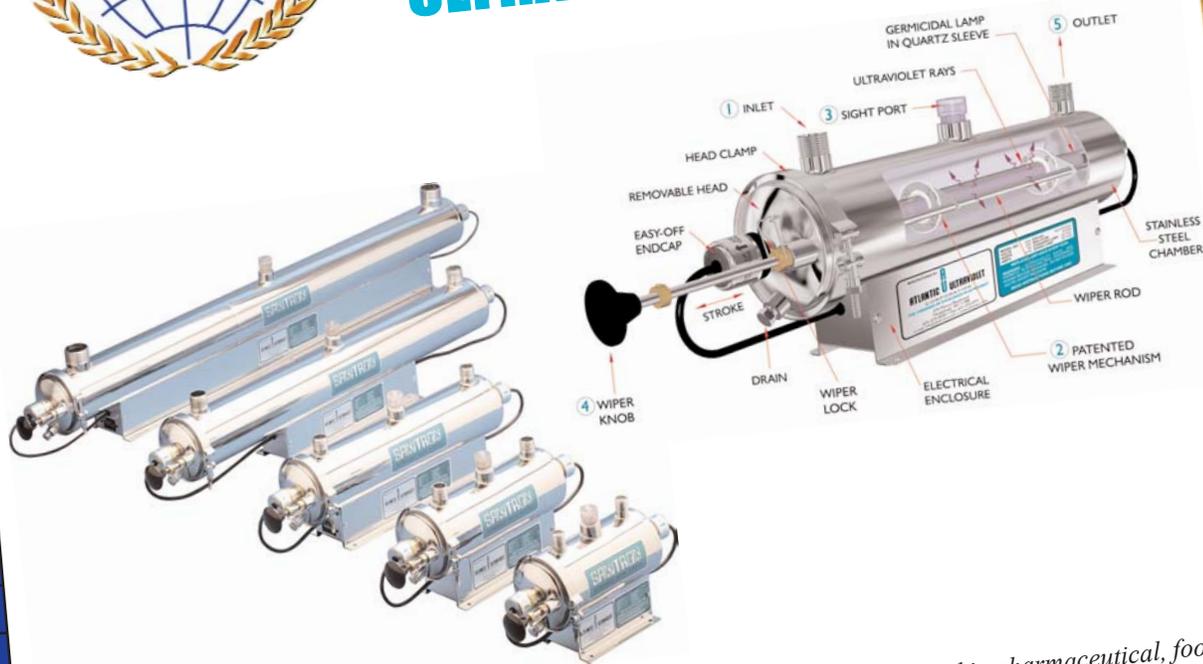




"Disinfected Water from A Masterpiece of Craftsmanship"

# ULTRA-VIOLET DISINFECTION



Ultra Violet Light casually referred to as U.V. is a well known germicide widely used in pharmaceutical, food processing and laboratory applications. U.V. is lethal to bacteria, viruses and many disease causing water borne microorganisms (See chart regarding bacteria on reverse side) and is rapidly gaining appreciation as an alternative to chlorination for Point of Entry (P.O.E. = Total Home) Disinfection.

- **EFFECTIVE** - Virtually all microorganisms are susceptible to U.V. disinfection. The water enters the U.V. chamber and flows into the annular "kill" space between the quartz sleeve and the outside chamber wall.
- **ECONOMICAL** - Hundreds of gallons can be treated for each penny operating cost.
- **SAFE** - No danger of overdosing, no addition of dangerous chemicals.
- **FAST** - Water is ready for use as soon as it leaves the purifier - no further contact time required.
- **EASY** - Simple installation and maintenance. Compact units require minimum space.
- **AUTOMATIC** - Continuous disinfection without special attention or measurement.
- **NO CHEMICALS** - No chlorine taste or corrosion problems.
- **VERSATILE** - Capacities available from two to thousands of gallons per minute (g.p.m.).

**FOR S SERIES PICTURED ABOVE** - The wiper segments induce turbulence in the flowing liquid to assure uniform exposure of suspended micro-organisms to the lethal ultraviolet rays. The wiper assembly facilitates periodic cleaning of the quartz sleeve without any disassembly or interruption of purifier operation. (MP Series does not contain a wiper blade. Suitable for use on RO or softened water).

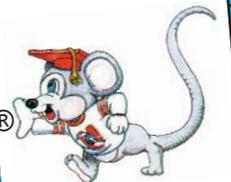


EPA EST. NO. 52531-FL-01

Purifying the Waters of the World...

# aquathin®

For the Best Taste in Life!



Germicidal lamps provide effective protection against microorganisms. A small cross-section is shown below.

ORGANISM	ALTERNATE NAME	TYPE	DISEASE	WSec/cm
Bacillus subtilis spores	B. subtilis	Bacteria	-----	22,000
Bacteriophage	Phage	Virus	-----	6,600
Coxsackie virus	-----	Virus	Intestinal infection	6,300
Shigella spores	-----	Bacteria	Bacterial Dysentery	4,200
Escherichia coli	E. coli	Bacteria	Food Poisoning	6,600
Fecal coliform	-----	Bacteria	Intestinal infection	6,600
Hepatitis A virus	Infectious Hepatitis virus	Virus	Hepatitis of the liver	8,000
influenza virus	Flu virus	Virus	Influenza	6,600
Legionella pneumophila	-----	Bacteria	Legionnaires' Disease	12,300
Salmonella typhi	-----	Bacteria	Typhoid Fever	7,000
Staphylococcus aureus	Staph	Bacteria	Food Poisoning, Toxic Shock Syndrome, etc.	6,600
Streptococcus spores	Strep	Bacteria	Strep throat	3,800

The dosage necessary to inactivate a microorganism is a product of time and intensity. When used as directed to disinfect clear water, the U.V. Models referred below provide an ultraviolet dosage in excess of 30, 000 microwatt seconds per square centimeter ( WSec/cm<sup>2</sup>).

----- **SPECIFICATIONS FOR STANDARD MODELS** -----

MODEL	GPM	GPH	INLET & OUTLET SIZE	REPLACEMENT LAMP(s)	POWER CONSUMPTION	UNIT DIMENSIONS (inches)			SHIPPING DATA		CUBIC inches
						Length	Width	Height	GROSS WT.	NET WT.	
S14 , MP13	2	120	½ " NPT	051400	14 Watts	14 1/4	5 1/2	8 1/4	10	7	12.5
S17 , MP16	3	180	¾ " NPT	051098	18 Watts	17 1/2	5 1/2	8 1/4	11	8	14.3
S23 , MP22	6	360	¾ " NPT	051097	24 Watts	23 1/2	5 1/2	8 1/4	14	11	17.9
S37B , MP36B	12	720	1" NPT	051343	44 Watts	37 1/2	5 1/2	9 1/2	29	23	40.6
S50B , MP49B	20	1,200	1-½ " NPT	051334	54 Watts	50 1/2	7	9 1/2	36	29	52.5

OPTION: In line Sanitizer Sump for sanitizing water lines annually downstream from U.V. assures disinfection against reverse migration of germs in faucets and taps.

WARRANTY: Limited full 1 year from date of installation. See your Authorized Aquathin Dealer for details.

Distributed by:

AQUATHIN® CORP.  
 AQUATHIN® BUSINESS CENTRE  
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 Pompano Beach, Florida 33069 U.S.A.  
 www.aquathin.com



# SANITRON™ ULTRAVIOLET WATER PURIFIERS

## SPECIFICATIONS FOR STANDARD MODELS

MODEL	G.P.M.	G.P.H.	INLET and OUTLET SIZE <sup>⑥</sup>	REPLACEMENT LAMP(S)	POWER CONSUMPTION <sup>⑦</sup>	UNIT DIMENSIONS (INCHES)			SHIPPING DATA		
						Length	Width	Height	Gross Wt. (Lbs.)	Net Wt. (Lbs.)	Cu. In.
S14	2	120	1/2" NPT	051400	14 Watts	14 1/4	5 1/2	8 1/4	10	7	12.5
S17	3	180	3/4" NPT	051098	18 Watts	17 1/2	5 1/2	8 1/4	11	8	14.3
S23	6	360	3/4" NPT	051097	24 Watts	23 1/2	5 1/2	8 1/4	14	11	17.9
S37B	12	720	1" NPT	051343	44 Watts	37 1/2	5 1/2	9 1/2	29	23	40.6
S50B	20	1,200	1 1/2" NPT	051334	54 Watts	50 1/2	7	9 1/2	36	29	52.5
S2400B	40	2,400	2" NPT	051311	140 Watts	52 1/4	17 1/4	11 1/2	52	42	89.6
S5,000B <sup>①</sup>	83	5,000	2" NPT	051311 (2 Lamps)	280 Watts	52 1/4	21	11 1/2	116	85	180
S10,000B <sup>②</sup>	166	10,000	2" NPT	051311 (4 Lamps)	560 Watts	52 1/4	21	34 3/4	267	188	430
S15,000B <sup>③</sup>	250	15,000	2" NPT	051311 (6 Lamps)	840 Watts	52 1/4	21	53 1/4	400	263	675
S20,000B <sup>④</sup>	333	20,000	2" NPT	051311 (8 Lamps)	1120 Watts	52 1/4	21	71 3/4	534	396	860
S25,000B <sup>⑤</sup>	416	25,000	2" NPT	051311 (10 Lamps)	1400 Watts	52 1/4	21	90 1/4	670	520	1105

① Two S2400B's connected in series, 1 inlet and 1 outlet.

② Two S5,000B's connected in parallel, 2 inlets and 2 outlets.

③ Three S5,000B's connected in parallel, 3 inlets and 3 outlets.

④ Four S5,000B's connected in parallel, 4 inlets and 4 outlets.

⑤ Five S5,000B's connected in parallel, 5 inlets and 5 outlets.

⑥ All inlets and outlets are male pipe threads.

⑦ Total power consumption including ballast loss.

- Maximum recommended operating pressure for all purifiers is 100 p.s.i.

- Pressure drop at maximum recommended flow rate is less than 5 p.s.i.

- 120 Volt 60 Hz and 220 Volt 50 Hz units are standard.

- 12 and 24 Volt DC units also available.

- Sanitron™ is available for operation on public power supplied throughout the world.

- Consult factory with specific power requirements.

## COMMERCIAL & INDUSTRIAL SYSTEMS

Sanitron™ systems of 5,000 g.p.h. and higher utilize interchangeable single lamp chambers. This modular configuration offers advantages found only in Sanitron™ high-capacity systems.



Model S10,000B  
(10,000 g.p.h.)

- **Flexibility**

System components are readily reconfigured to meet changing flow and process requirements.

- **Independent Monitoring**

Single lamp chamber design enables separate output monitoring of each ultraviolet lamp.

- **Standby Capacity**

Reserve chambers permit shutdown or replacement of individual components without interruption of service.

- **Special Options**

Protective Coating - for seawater & corrosive environments.  
Type 316 Stainless Steel - to satisfy special requirements.  
Sanitary & Custom Fittings - for system compatibility.  
Special Configurations - for TOC and ozone reduction.



Model S15,000B  
(15,000 g.p.h.)

## SPECIAL FEATURES OF SANITRON™ WATER PURIFIERS

### STAINLESS STEEL CONSTRUCTION

Chamber, head and clamp are electropolished and passivated stainless steel for an attractive finish and dependable service.

### QUICK LAMP CHANGE

Exclusive Easy-Off Retainer Cap™ enables effortless lamp replacement without shut down of water pressure or drainage of tank. No tools required.

### PATENTED DUAL ACTION WIPER MECHANISM

Facilitates periodic cleaning of quartz sleeve without interruption of purifier operation. No disassembly required. Complies with U.S. Public Health Guidelines.

### DRAIN PLUG

Convenient, in-place drainage of purifier chamber.

### WIPER LOCK

Locks wiper mechanism in retracted position.

### REMOVABLE FLANGED HEAD

Units disassemble completely and easily in the event that repairs are necessary. No special tools or fixtures required.

### SIGHT PORT PLUG

Visible glow provides positive indication of germicidal lamp operation.  
(Unit shown with optional Guardian™ Ultraviolet Monitor in sight port).

### FUSED QUARTZ SLEEVE

Insures optimum lamp output at normal potable water temperatures.  
(See interior detail page 3).

Shown with optional Guardian™ Ultraviolet Monitor



Model S2400B  
(2,400 g.p.h.)

## OPTIONAL ACCESSORIES

### Monitoring Options (Select Guardian™ or Sentry™)



#### \* Guardian™ Ultraviolet Monitor

Analog meter indication of germicidal lamp energy within the disinfection chamber. Controls Solenoid Valve and Audio Alarm.



#### \* Sentry™ Safety Sensor

Basic monitoring of electrical operation. Indicates alarm condition and operates Solenoid Valve and Audio Alarm.

#### \* Audio Alarm

Activated by the Guardian™ or Sentry™ alerts user to any malfunction detected.



#### \* Solenoid Valves

Operates with the Guardian™ or Sentry™ and prevents flow during detected malfunctions. Available in nylon or brass.



#### \* Flow Control Valves

Limits water flow to rated capacities. Available in brass, PVC and stainless steel.



#### Elapsed Time Indicator

Real-time, non-resettable display of accumulated operating hours.



#### \* Time Delay Mechanism

Provides a 2-minute warm-up period for lamp to achieve full germicidal output.



#### Wall Mounting Kit

Stainless steel, quick, easy and professional finish. Pre-drilled and ready to assemble. Optimizes free air circulation to cool ballast housing.



\* Use of this option is recommended by U.S. Public Health Service "Criteria for Acceptability of an Ultraviolet Disinfection Unit." Originally issued April, 1966.

These options may be obtained at purchase time or added at a later date. For further details, refer to Atlantic Ultraviolet's *Optional Accessories* sheet, Document Number 98-1057 or visit our website at [www.atlanticuv.com](http://www.atlanticuv.com).