

ULTRAVIOLET SYSTEMS



SPECTRUM PLUS™ SERIES CHEMICAL & BACTERIA TREATMENT SYSTEMS

This Whole House Water Treatment System is the first affordable water treatment system to treat all of the home's drinking, cooking, and bath water. Spectrum Plus will remove or significantly reduce over 50 carcinogenic chemicals as listed by the EPA, and also disinfect the entire home's water supply against harmful pathogenic bacteria such as: E. Coli, bacillary dysentery, typhoid, cholera, and others. Constant improvements in water treatment technology have allowed this system to be manufactured on a scale that for the first time is both affordable and easy to maintain. This system is capable of not just treating 10 or 20 gallons of water per day for drinking, but is capable of actually filtering hundreds of gallons per day. It will treat all the water for every sink, faucet, shower, and bathtub throughout the home.

Specifications

Model	Spectrum 10 Plus
Capacity @ 10 mic. Clear Water	10 gpm (38 lpm)
Connection Size	1 inch FPT
Working Pressure.....	150 psi (10 atmos)
Lamp Hours	9,000
Maximum Current.....	0.56 amp
Maximum Watts.....	64
Shipping Dimensions	44 x 15 x 11 inch (112 x 38 x 28 cm)
Shipping Weight	55 lbs (25 kg)

Note

Spectrum Plus systems deliver a minimum 30,000 $\mu\text{w sec/cm}^2$ at 10 gpm.



Spectrum Plus will remove completely, or reduce significantly, the following contaminants from water:

FIRST STAGE

Adipates(diethylhexyl)
Alachlor
Aldicarb
Aldicarb sulfone
Aldicarb sulfoxide
Atrazine
Benz (a) anthracene (PAH)
Benzene
Benzo (a) pyrene (PAH)
Benzo (b) fluoranthene (PAH)
Benzo (k) fluoranthene (PAH)
Beryllium
Butyl benzyl phthalate (PAE)
Cadmium
Carbofuran
Carbon tetrachloride
Chlordane

Chlorine
Chromium (+3)
Chrysene (PAH)
Dalapon
Di (2-ethylhexyl) adipate
Dibenz (a,h) anthracene
Dibromochloropropane
Dichlorobenzene (meta-)
Dichlorobenzene (ortho)
Dichlorobenzene (para-)
Dichloroethane (1,2-)
Dichloroethylene (1,1-)
Dichloroethylene (cis-1,2-)
Dichloroethylene (trans-1,2)
Dichloropropane
Diethylhexyl phthalate (PAE)
Dinoseb
Diquat

Endothall
Endrin
Ethylbenzene
Ethylene dibromide(EDB)
Glyphosate
Heptachlor
Heptachlor epoxide
Hextachlorobenzene
Hextachlorocyclopentadiene
Indo (1,2,3-c,d) pyrene (PAH)
Lidane
Mercury (organic complexes)
Methoxychlor
Monochlorobenzene
Organic color
Organics
Oxymal
Pentachlorophenol

Picloram
PCB's
Sediment
Simazine
Styrene
3,7,8-TCDD (dioxin)
2,4-D
2,4,5-TP (silvex)
TCB's
TCE's
Tetrachloroethylene
Thallium
THM's
Toluene
Toxaphene
Vinyl chloride
Xylenes

SECOND STAGE

Bacillus anthracis
Bacteria
Coliform bacteria
Corynebacterium diphtheria
Dysentery
E. Coli
Hepatitis virus
Influenza virus
Polio virus
Salmonella
S. typhosa
Shigella dysenteriae
Spirillum rubrum
Staphylococcus albus
Streptococcus hemolyticus
Vibrio cholerae
Viruses

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Safe Water Technologies' Biolyte™ Series sterilizers provide the most preferred method of anaerobic bacteria control available. The Spectrum Plus™ Series allows the additional benefit of adding carbon to the system in one self-contained unit. These high quality UVs are designed to provide homes and offices with bacteriological control, chemical reduction, and taste and odor improvement in a single system.

- Stainless steel chambers
- All international voltages
- 30,000 µw sec/cm²
- Heavy duty quartz sleeve
- 9000 hour lamps
- Flow rates up to 10 gpm

Ultraviolet Systems

Part Number	Description	GPM	Connection Size	Weight Lb
SWT00500A	Ultra Biolyte™ Countertop	0.5	Diverter	6
SWT00700	Polisher™ Inline — Post-RO Only	0.75	1/4 inch Tube	3
SWT10000S/1	Spectrum 10 Biolyte™ without Carbon, 9 x 40 FRP Tank	10	1 inch FPT*	30
SWT10000C/1	Spectrum 10 Plus™ with 1 cu.ft. of Carbon, 9 x 40 FRP Tank	10	1 inch FPT*	55
SWT10000SC/1	Spectrum 10 Plus™ with 1 cu.ft. of SuperCat™, 9 x 40 FRP Tank	10	1 inch FPT*	55
SWT10000C/1-1248	Spectrum 10 Plus™ with 2 cu.ft. of Carbon, 12 x 48 FRP Tank	10	1 inch FPT*	90
SWT10000SC/1-1248	Spectrum 10 Plus™ with 2 cu.ft. of SuperCat™, 12 x 48 FRP Tank	10	1 inch FPT*	90

* Spectrum 10 models available with 3/4 inch FPT connections upon request.
International voltages available at additional cost. Contact your SWT representative for details.

Replacement Parts

Part Number	Description	GPM	Weight Lb
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Ballast

SWT15010E	Ballast (Electronic) for Polisher	—	1
SWT10003EF	Ballast (Electronic) for Spectrum 10 Series	—	3

Ultraviolet Lamps

SWT13003A	Ultraviolet Lamp for Ultra Biolyte	0.5	1
SWT15001	Ultraviolet Lamp for Polisher	0.7	1
IL10001	Ultraviolet Lamp for Spectrum 10 Series	10.0	3

Quartz Sleeves

SWT13004	Quartz Sleeve for Ultra Biolyte	—	1
IL30002	Quartz Sleeve for Polisher — Requires Special Tool	—	1
IL30001	Quartz Sleeve for Spectrum 10 Series	—	3

Carbon

SWT13010	Carbon Block Cartridge, 1.50 inch Core, for Ultra Biolyte	0.5	2
IT50003C	ProActive™ Coconut Shell Carbon, 20 x 50 mesh, for Spectrum 10 Series	—	55
IT50003SC	ProActive™ SuperCat™ Coconut Shell Carbon, 20 x 50, for Spectrum 10 Series	—	56

Chlorostick™ Pipe Sanitizing Kit

APS-CSRA-1-9	Chlorostick Inline Module for Spectrum 10 Plus, 1 inch Union Connection	—	2
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