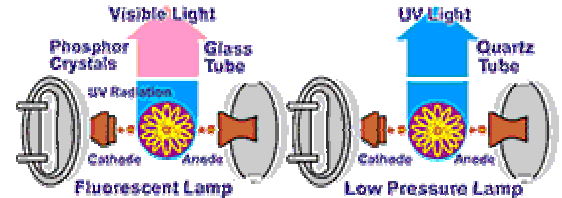


ULTRAVIOLET WATER PURIFICATION

HOW DO ULTRAVIOLET PURIFIERS WORK?

Atlantic Ultraviolet Corporation's purifier units contain one or more germicidal ultraviolet lamps. The **Ster-L-Ray™** germicidal lamp produced by Atlantic Ultraviolet Corporation is a short wave low-pressure mercury vapor tubes that produces ultraviolet wavelengths that are lethal to microorganisms. Approximately 95% of the ultraviolet energy emitted is at the mercury resonance line of 254 nanometers. This wavelength is in the region of maximum germicidal effectiveness and is highly lethal to virus, bacteria and mold spores. Therefore, the water or air that passes through the chamber is exposed to the germicidal uv light and the genetic material of the micro-organism is deactivated, which prevents them from reproducing and renders them harmless.



WHAT ARE THE BENEFICIAL USES OF GERMICIDAL UV?

Ultraviolet technology is a non-chemical approach to disinfection. In this method of disinfection, nothing is added which makes this process simple, inexpensive and requires very low maintenance. Ultraviolet purifiers utilize germicidal lamps that are designed and calculated to produce a certain dosage of ultraviolet (usually at least 16,000 microwatt seconds per square centimeter but many units actually have a much higher dosage.) The principle of design is based on a product of time and intensity - you must have a certain amount of both for a successful design.

APPLICATIONS:

Drinking Water

- under sink installs & water vending machines
- aircraft, boats & recreational vehicles
- water wells & water cisterns
- swimming pool & hot tubs
- farms, ranches & trailer parks
- schools & hotels
- aquarium, hatcheries and nurseries
- ice making

Food Processing

- brewery & winery
- soft drinks, fruit drinks and juices
- bottling facilities
- dairy processing
- liquid sugars, sweeteners and edible oils
- water based lubricants
- pure wash water

Medical

- pharmaceutical production
- laboratories, hospitals and clinics
- maternity labor and delivery areas
- pathology labs, kidney dialysis
- animal husbandry

Industries

- cosmetics and electronic production
- pond & lake reclamation
- laundry water

Bio-Logic™
ULTRAVIOLET WATER PURIFIERS

Applications: point of use, under the sink, recreational vehicles, vans, boats, ponds, aquariums, ice makers and water vending machines.

Bio-Logic™ ultraviolet water purifiers

- 1.5 to 3.0 gallons per minute, 90 -180 GPH (gallons per hour)
- Potable and high purity water
- 316 Stainless Steel, electropolished and passivated
- Dual heads that may be removed and rotated and individually oriented for versatility during installation.
- Easy Off™ Retainer Cap for effortless lamp replacement without shut down of water pressure or drainage of tank.
- Fused quartz sleeve insure optimum lamp output at normal potable water temperature.



Bio-Logic™
ULTRAVIOLET WATER PURIFIERS
Pure Water Pack™

Applications: point of use, under the sink

Bio-Logic™ ultraviolet water purifiers with the Pure Water Pack™

- 1.5 gallons per minute, 90 GPH, Potable and high purity water
- 316 Stainless Steel, electropolished and passivated
- Easy Off™ Retainer Cap for effortless lamp change
- Dual filter housing with sturdy 5 micron sediment and carbon filter
- Unit and filters connected to stainless steel mounting bracket



MINIPURE™
ULTRAVIOLET WATER PURIFIERS

Applications: point of use, under the sink, water vending machines, aircraft, boat & rec vehicles, as well as with small reverse osmosis systems.

Minipure™ ultraviolet water purifiers

- 1 to 9 gallons per minute, 60 to 540 GPH (gallons per hour)
- Potable and high purity water point of use and point of entry applications
- 304 Stainless Steel, electropolished and passivated
- Easy Off™ Retainer Cap for effortless lamp change



MIGHTY★PURE™
ULTRAVIOLET WATER PURIFIERS

Applications: home water wells, laboratories, farms and ranches etc.

Mighty Pure™ ultraviolet water purifiers

- 2 to 20 gallons per minute, 120 to 1200 GPH (gallons per hour)
- Potable and high purity water applications
- 304 Stainless Steel, electropolished and passivated
- Easy Off™ Retainer Cap for effortless lamp change
- Drain Plug for in place drainage of the purifier chamber
- Sight port to view germicidal lamp operation



SANITRON®
ULTRAVIOLET WATER PURIFIERS

Applications: home wells, farms, ranches, dairies, bottling plants, pharmaceutical and cosmetic industries, laboratories, hospitals, electronic industries, food industry, hotels, aquarium and hatcheries, nurseries and pools, etc.

Sanitron® ultraviolet water purifiers

- 2 to 416 gallons per minute, 120 to 25,000 GPH (gallons per hour)
- Potable and high purity water applications
- 304 or 316 Stainless Steel, electropolished and passivated
- Easy Off™ Retainer Cap for effortless lamp change
- Drain Plug for in place drainage of the purifier chamber
- Sight port to view germicidal lamp operation
- Removable flanged head for easy disassemble
- Model S2400C with removable & rotateable heads
- Patented dual action wiper mechanism for cleaning of the quartz sleeve
- Interchangeable chamber for 5,000 GPH and up



MEGATRON™
WATER DISINFECTION SYSTEM

Applications: large scale disinfection of industrial and municipal water and wastewater; ideal solution for water treatment requirements, such as water recycling and disinfection of processed water or wastewater discharges.

Megatron™ ultraviolet water disinfection system

- 90 to 450 gallons per minute, 120,000 to millions of gallons per day
- Manifolding multiple chambers achieves higher flow rates
- Clear wastewater, clear fresh and high purity water disinfection
- Modular, multi-lamp pressure vessel chamber
- 316 Stainless Steel, electropolished and passivated
- Control panel includes display window, lamp operation indicator, elapsed time indicator; dual removable flanged heads; dual drain fittings; multiple access ports and sight port
- Optional: manual or automatic wiping mechanism and customized monitoring systems available.



Bio-Logic™

ULTRAVIOLET WATER PURIFIERS

Applications: point of use, under the sink, recreational vehicles, vans, boats, ponds, aquariums, ice makers and water vending machines.



- 1.5 or 3.0 gallons per minute [gpm], 90 or 180 gallons per hour [gph]
- Potable and high purity water applications
- 316 Stainless Steel, electropolished and passivated inside and out
- Dual heads may be removed and rotated for versatility during installation
- Easy Off™ Retainer Cap for effortless lamp change
- Fused quartz sleeve insure optimum lamp output at normal potable water temperature

BIO-1.5			
Flow Rate	1.5 gpm		
Voltage	120v 60 Hz	220v 50/60 Hz	12v DC
Current (Amps)	.24	.125	1.27
Unit Dimensions	14-1/2"(L) x 3-11/16"(W) x 3-7/8"(H)		
Shipping Wt.	8 lbs.		
Rated Water Pressure	Maximum PSI 125		
BIO-3.0			
Flow Rate	3 gpm		
Voltage	120v 60 Hz	220v 50/60 Hz	12v DC
Current (Amps)	.33	.17	1.67
Unit Dimensions	20-1/8"(L) x 3-11/16"(W) x 3-7/8"(H)		
Shipping Wt.	9 lbs.		
Rated Water Pressure	Maximum PSI 125		

Bio-Logic™

ULTRAVIOLET WATER PURIFIERS Pure Water Pack™

Applications: point of use, under the sink



- 1.5 gallons per minute, 90 gallons per hour
- Potable and high purity water applications
- 316 Stainless Steel, electropolished and passivated inside and out
- Dual filter housing with sturdy 5 micron sediment and carbon filter
- Unit and filters connected to stainless steel mounting bracket

BIO-1.5 & Pure Water Pack™			
Flow Rate	1.5 gpm		
Voltage	120v 60 Hz	220v 50/60 Hz	12v DC
Current (Amps)	.24	.125	1.27
Unit Dimensions	15"(L) x 5-5/8"(W) x 17-1/2"(H)		
Shipping Wt.	18 lbs.		
Rated Water Pressure	Maximum PSI 125		

CAT730.4

MINIPURE™ ULTRAVIOLET WATER PURIFIERS

Applications: point of use, under the sink, water vending machines, aircraft, boat & rec vehicles, as well as with small reverse osmosis systems.



- 1 to 9 gallons per minute [gpm], 60 to 540 gallons per hour [gph]
- Potable & high purity water point of use applications
- 304 Stainless Steel, electropolished and passivated inside and out
- Easy-Off™ Retainer Cap for effortless lamp change

Model	GPM	GPH	Inlet and Outlet [NPT] (1)	Replacement Lamps	Power Consumption [Watts] (2)	Unit Dimensions (in.)			Shipping Data (lb.)	
						Length	Width	Height	Gross Wt.	Net Wt.
Min-1	1	60	1/4"	05-1119	14	12-3/8	2-1/2	3	6	5
Min-1.5	1.5	90	1/4"	05-1366	16	15-3/8	2-1/2	3	7	6
Min-3	3	180	3/4"	05-1366	16	16-1/4	4-1/4	5-9/16	10	9
Min-6	6	360	3/4"	05-1370	24	22-1/4	4-1/4	5-9/16	11	10
Min-9	9	540	3/4"	05-0097A	34	29-3/8	4-1/4	5-9/16	14	12

(1) Min-1 and Min-1.5 have female pipe threads. Min-3, Min6 & Min-9 have male pipe threads.

(2) Total power consumption including ballast loss (approximately).

- Maximum recommended operating pressure for all purifiers is 100 PSI.
- Pressure drop at maximum recommended flow rate is less than 5 PSI.
- Consult factory with specific power requirements.
- All data shown above reflects 120 Volt 60 Hz operation. **Minipure®** units are available for operation on public power supplied throughout the world.

MIGHTY★PURE™ ULTRAVIOLET WATER PURIFIERS

Applications: home water wells, laboratories, farms and ranches etc.



- 2 to 20 gallons per minute [gpm], 120 to 1200 gallons per hour [gph]
- Potable & high purity water applications
- 316 Stainless Steel, electropolished and passivated inside and out
- Easy-Off™ Retainer Cap for effortless lamp change
- Drain Plug for in place drainage of the purifier
- Sight port to view germicidal lamp operation

Model	GPM	GPH	Inlet and Outlet [NPT] (1)	Replacement Lamps	Power Consumption [Watts] (2)	Unit Dimensions (in.)			Shipping Data (lb.)	
						Length	Width	Height	Gross Wt.	Net Wt.
MP13A	2	120	1/2"	05-1400-R	14	13-1/2	4-5/16	8-3/16	9	8
MP16A	3	180	3/4"	05-1098-R	18	19-1/2	4-5/16	8-3/16	10	9
MP22A	6	360	3/4"	05-1097-R	24	22-1/2	4-5/16	8-3/16	13	11
MP36C	12	720	1"	05-1343-R	44	36-1/2	5-11/16	9-1/2	30	25
MP49C	20	1,200	1-1/2"	05-1334-R	54	49-1/2	5-11/16	9-1/2	34	29

CE/RoHS

MP36C	12	720	1"	05-1343-R	44	36-1/2	5-11/16	9-1/2	30	25
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(1) All inlets and outlets are male pipe thread.

(2) Total power consumption including ballast loss (approximately).

- Maximum recommended operating pressure for all purifiers is 100 PSI.
- Pressure drop at maximum recommended flow rate is less than 5 PSI.
- All data shown reflects 120 Volt 60 Hz operation.
- MightyPure™ is available for operation on public power supplied throughout the world.
- Consult factory with specific power requirements.

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SANITRON[®]

ULTRAVIOLET WATER PURIFIERS

Applications: home wells, farms, ranches, dairies, bottling plants, pharmaceutical and cosmetic industries, laboratories, hospital, electronic industries, food industry, hotels, aquarium and hatcheries, nurseries and pools, etc.



- 2 to 416 gallons per minute [gpm], 120 to 25,000 gallons per hour [gph]
- Potable & high purity water applications
- 316 Stainless Steel, electropolished and passivated inside and out
- Removable flanged head for easy disassembly
- Patented dual action wiper mechanism for cleaning of the quartz sleeve
- Model S2400C has heads that can be removed & rotated
- Protective Coating for seawater & corrosive environments available

Model	GPM	GPH	Inlet and Outlet [NPT] (1)	Replacement Lamps	Power Consumption [Watts] (2)	Unit Dimensions (in.)			Shipping Data (lb.)	
						Length	Width	Height	Gross Wt.	Net Wt.
S14A (3)	2	120	1/2"	05-1400-R	14	16-3/8	4-5/16	8-3/16	11	7
S17A (3)	3	180	3/4"	05-1098-R	18	19-3/8	4-5/16	8-3/16	11	8
S23A (3)	6	360	3/4"	05-1097-R	24	25-3/8	4-5/16	8-3/16	14	14
S37C (3)	12	720	1"	05-1343-R	44	39-3/8	5-11/16	9-1/2	30	30
S50C (3)	20	1,200	1-1/2"	05-1334-R	54	52-3/8	5-11/16	9-1/2	36	36
S2400C (4)	40	2,400	2"	05-1311-R	140	52-1/8	6-5/8	11-1/2	49	36

- (1) All inlets and outlets are male pipe thread.
 (2) Total power consumption including ballast loss (approximately).
 (3) Units are manufactured in Type 316 Stainless Steel
 (4) Unit is manufactured in Type 316 Stainless Steel and has dual removable heads.
 • Maximum recommended operating pressure for all purifiers is 100 PSI.
 • Pressure drop at maximum recommended flow rate is less than 5 PSI.

MEGATRON[™]

WATER DISINFECTION SYSTEM

Applications: large scale disinfection of industrial and municipal water and wastewater; ideal solution for water treatment requirements, such as water recycling and disinfection of processed water or wastewater discharges.



- 90 to 450 gallons per minute [gpm], 120,000 to millions of gallons per day [gpd]
- Manifolding multiple chambers achieves higher flow rates
- Clear wastewater, clear fresh and high purity water disinfection
- Modular, multi-lamp pressure vessel chamber
- Control panel includes display window, lamp operation indicator, elapsed time indicator; dual removable flanged heads; dual drain fittings; multiple access ports and sight port
- Manual or automatic wiping mechanism and customized monitoring systems available.

Model	Standard Inlet / Outlet *	Nominal Capacities/GPM			Number of Lamps	Power ** Requirements		Total Watts	Unit Dimensions (in.)		
		Clear Waste Water	Clear Fresh Water	High Purity Water		120V	230V		Length	Width	Height
M50	2" NPT	70	90	100	4	4 AMPS	2.1 AMPS	480	100	16	14
M90	3" 150# Flange	115	150	190	7	6.5 AMPS	3.4 AMPS	780	100	16	16
M150	4" 150# Flange	200	270	325	12	9 AMPS	4.7 AMPS	1080	100	18	18
M250	4" 150# Flange	335	450	560	19	14 AMPS	7.3 AMPS	1680	102	21	26

CAT730.6

Ultraviolet Water Purifier Comparison S - Standard Feature O - Optional Feature	Bio-Logic® PWP™ 1.5 to 3.0 gallons per minute	Minipure® 1 to 9 gallons per minute	MightyPure™ 2 to 20 gallons per minute	Sanitron® 2 to 20 gallons per minute	Sanitron® 40 to 416 gallons per minute	Megatron® 90 to 450 gallons per minute
Stainless Steel Construction	S	S	S	S	S	S
Ultraviolet Germicidal Lamp with 10,000 Hours Rated Effective Life	S	S	S	S	S	S
Quick Lamp Change with the Easy Off™ Retainer Cap	S	S	S	S	S	S
Fused Quartz Sleeve	S	S	S	S	S	S
Lamp Out Indicator Light(s)	S	S	-	-	-	S
Sight Port to View Lamp Operation	-	-	S	S	S	S
Drain Fitting	-	-	S	S	S	S
Patented Dual Action Wiper Mechanism - Manual	-	-	-	S	S	O
Patented Dual Action Wiper Mechanism - Automatic	-	-	-	-	-	O
Flanged Heads that can be removed or rotated	-	-	-	-	S	S
Sediment and Carbon filter	S	-	-	-	-	-
Mounting Kit	S	O	O	O	O*	-
Guardian™ Ultraviolet Monitor	-	-	O	O	O	O
Sentry™ Safety Sensor	O	O	O	O	O	-
Audio Alarm	O	O	O	O	O	O
Solenoid Valves	-	O	O	O	O	-
Flow Control Valves	-	O	O	O	O	-
Elapsed Time Indicator	O	O	O	O	O	S
Time Delay Mechanism	-	O	O	O	O	-
Residential use	X	X	X	X	X	-
Commercial Use	-	-	X	X	X	X

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