

Bio-Logic®

ULTRAVIOLET WATER PURIFIERS



The **Bio-Logic®** Ultraviolet Purifier utilizes a germicidal ultraviolet lamp that produces short wave radiation lethal to bacteria, viruses and other microorganisms present in water.

Economical and safe, the **Bio-Logic®** Ultraviolet Purifier offers rapid water treatment without the use of heat or dangerous chemicals - often for the lowest cost available by any means.

Bio-Logic® ultraviolet water purifiers produce 1.5 - 3 gallons per minute of purified drinking water.

SPECIAL FEATURES

CONSTRUCTION

The **Bio-Logic®** chamber is constructed of type 316 stainless steel and is electropolished and passivated for an attractive finish and dependable service.

DUAL HEADS

Constructed of type 316 stainless steel, heads may be removed and rotated and individually oriented for versatility during installation.

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.

FUSED QUARTZ SLEEVE

Insures optimum lamp output at normal potable water temperature.

APPLICATIONS

Applications include: point of use installation under the sink on the cold water line; recreational vehicles; vans; boats; ponds; aquariums; ice makers and water vending machines etc.

Atlantic Ultraviolet lamps and equipment are manufactured in the USA.

CAUTION: Exposure to direct or reflected germicidal ultraviolet rays will cause painful eye irritation and reddening of the skin. Personnel subject to such exposure must wear suitable faceshield, gloves and protective clothing.

Hg - LAMP CONTAINS MERCURY, manage in accord with disposal laws, see: www.lamprecycle.org.

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CORPORATION®

www.ultraviolet.com

APPLICATIONS

The **Bio-Logic®** is installed at the point of use (under the sink) on the cold water line. The system is designed to mount horizontally on a vertical surface, a secure wall or a cabinet wall, using the mounting brackets provided.



ADVANTAGES

Effective

Virtually all microorganisms are susceptible to Bio-Logic™ disinfection.

Economical

Hundreds of gallons can be purified for each penny of operating cost.

Safe

No danger of overdosing, no addition of dangerous chemicals.

Chemical Free

No chlorine taste or corrosion problems.

Fast

Water is ready for use as soon as it leaves the purifier - no further contact time required.

Easy

Simple installation and maintenance. Compact unit requires minimum space.

Automatic

Continuous or intermittent disinfection without special attention or measurement.

PRINCIPLE OF OPERATION

The **Bio-Logic®** has been carefully conceived to provide adequate germicidal dosage throughout the disinfection chamber.

1. Filtered water enters the ultraviolet purifier and flows into the annular space between the quartz sleeve and the chamber wall.
2. Suspended microorganisms are exposed to the ultraviolet rays emitted by the germicidal lamp.
3. The LED indicator light, located on the ballast, provides visual indication of germicidal lamp operation.
4. Water leaving the purifier is ready for use, no further contact time is required.

SPECIFICATIONS

BIO - 1.5

Flow Rate	1.5 gpm		
Voltage	120v 60Hz	220v 50/60Hz	12v DC
Current	.24 amps	.125 amps	1.27amps
Power Consumption	14 watts		
Inlet/Outlet Size	3/8" Female NPT		
Unit Dimensions	14-1/2"(L) x 3-11/16"(W) x 3-7/8"(H)		
Shipping Weight	8 lbs.		
Lamp Model Number	GPH287T5L/4		

BIO - 3.0

Flow Rate	3 gpm		
Voltage	120v 60Hz	220v 50/60Hz	12v DC
Current	.33 amps	.17 amps	1.67amps
Power Consumption	21 watts		
Inlet/Outlet Size	3/8" Female NPT		
Unit Dimensions	20-1/8"(L) x 3-11/16"(W) x 3-7/8"(H)		
Shipping Weight	9 lbs.		
Lamp Model Number	GPH436T5L/4		

MAINTENANCE

- Ordinary maintenance consists of the cleaning of the quartz sleeve in the water purifier when conditions warrant
- Lamp replacement is recommended every 10,000 hours of operation (approximately 12 months of continuous service)

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