

# Bio-Logic<sup>®</sup>

## Pure Water Pack



### SPECIAL FEATURES

- **Construction** - **Bio-Logic<sup>®</sup>** chamber is constructed of type 316 stainless steel and is electropolished and passivated for an attractive finish and dependable service.
- **Quick Lamp Change** - Exclusive Easy-Off<sup>™</sup> Retainer Cap enables effortless lamp replacement without shut down of water pressure or drainage of tank. No tools required.
- **Dual Heads** - Constructed of type 316 stainless steel, heads may be removed and rotated and individually oriented for versatility during installation.
- **Fused Quartz Sleeve** - Insures optimum lamp output at normal potable water temperature.
- **Dual Filter Housing** - Sturdy, 5 micron sediment filter cartridge removes dirt, rust, scale, silt, sand and other water suspended particles while the 5 micron carbon filter removes chlorine, THM's, pesticides and other related volatile organic hydrocarbons.
- **Installation Kit** - Includes everything necessary to hook up entire system - tubing, saddle valve (saddle valve fits feed pipes between  $\frac{3}{8}$ " to  $\frac{1}{2}$ " ) and long reach faucet.
- **Mounting Bracket** - Stainless steel bracket with all system components factory installed. Unit is ready for hook up under the sink as soon as it's removed from carton.

The **Bio-Logic<sup>®</sup>** Pure Water Pack combines an ultraviolet water purification unit with a dual cartridge filter system for great tasting drinking water. This all-inclusive system installs under the sink to provide 1.5 gallons per minute of great tasting cold drinking water.

The **Bio-Logic<sup>®</sup>** Ultraviolet Water 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<sup>®</sup>** Ultraviolet Water Purifier offers rapid water treatment without the use of heat or dangerous chemicals - often for the lowest cost available.

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](http://www.lamprecycle.org).

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[www.ultraviolet.com](http://www.ultraviolet.com)

## APPLICATIONS

The **Bio-Logic**<sup>®</sup> Pure Water Pack is installed at the point of use (under the sink) on the cold water line. The system is designed to mount on a vertical surface, a secure wall or a cabinet wall, using the mounting bracket provided.



## ADVANTAGES

### **Effective**

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

### **Efficient**

*Water is passed through a sediment filter and a carbon filter before the ultraviolet disinfection process.*

### **Economical**

*Hundreds of gallons can be purified for each penny of 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 unit requires minimum space.*

### **Automatic**

*Continuous or intermittent disinfection without special attention or measurement.*

### **Chemical Free**

*No chlorine taste or corrosion problems.*

## PRINCIPLE OF OPERATION

The **Bio-Logic**<sup>®</sup> Pure Water Pack has been designed to provide adequate filtering and germicidal ultraviolet dosage.

1. Water enters the sediment filter and traps the particulates, rust, scale and residue that affect the taste and appearance of water supply.
2. Water continues into the carbon filter and reduces chlorine, unpleasant tastes, odors and other organic chemicals and turbidity.
3. Filtered water enters the ultraviolet purifier and flows into the annular space between the quartz sleeve and the chamber wall.
4. Suspended microorganisms are exposed to the ultraviolet rays emitted by the germicidal lamp.
5. Water leaving the purifier is ready for use, no further contact time is required.

## SPECIFICATIONS

Flow Rate	1.5 gpm		
Voltage	120v 60Hz	220v 50/60Hz	12v DC
Current	.24 amps	.125 amps	1.27amps
Unit Dimensions	15"(L) x 5 5/8"(W) x 17 1/2"(H)		
Shipping Weight	18 lbs.		
Lamp Model Number	GPH287T5L		

## 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)
- Typical filter cartridge replacement is recommended every 12 months

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